



Product Catalog for Distribution

Communication

1

Microcontrollers

2

Power Semiconductors

3

Small Signal Discretes

4

Sensors

5

Chip Card + Security ICs

6

Summary of Types

7

Edition 2008-05

**Published by
Infineon Technologies AG
81726 Munich, Germany**

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Introduction

We are pleased to present the updated Product Catalog for Distribution 2008. This catalog outlines the full range of semiconductors available from Infineon Technologies through our distribution channel.

Reflecting the depth and range of our offering, this overview extends from communication devices and microcontrollers through power semiconductors and discretes to sensors and security solutions. For fast and easy reference, we have kept technical details to a minimum and added an overview of all device names and order codes at the back. Please refer to our data sheets, data books and user's manuals if you require in-depth technical data on a given product.

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Explanation of Symbols

- ▼ Newly included components
- Components not suitable for new design
- ◆ Products available through dedicated distributors
- SMD (**S**urface **M**ounted **D**evelopes)
gray lines indicate SMDs
- ® Registered trademark
- TM Trademark

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Contents

Communication		
Wired Communication	9	1
Wireless Communication	22	
<hr/>		
Microcontrollers		
Microcontrollers, 32-bit	25	2
Microcontrollers, 16/32-bit	27	
Microcontrollers, 16-bit	28	
Microcontrollers, 8-bit	51	
<hr/>		
Power Semiconductors		
Automotive N-Channel MOSFETs	63	
Automotive P-Channel MOSFETs	69	
N-Channel MOSFETs	70	
P-Channel MOSFETs	83	
Complementary MOSFETs	85	
Depletion MOSFETs	85	
IGBT Power Transistors	86	
Power Diodes	92	3
Smart Power Switches	95	
Motor Drivers	102	
Power Supply	105	
Automotive Transceivers and SBCs	109	
Specific Automotive ICs	110	
Integrated Power ICs	111	
SMPS ICs	112	
Low Voltage ICs	112	
Lighting ICs	112	
Function and Industrial ICs	113	
<hr/>		
Small Signal Discretes		
AF Semiconductors	117	4
RF Semiconductors	134	
<hr/>		
Sensors		
Pressure Sensors	149	5
Temperature Sensors	149	
Magnetic Sensors	150	
Wireless Control	151	
<hr/>		
Chip Card + Security ICs		
Smart Card Controller	155	6
Smart Card Memories	159	
Contactless Products	160	
<hr/>		
Summary of Types	163	7

Communication

Wired Communication	9
Wireless Communication	22

Type	Ordering Code	Package	Description
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Wired Communication Broadband Access

SHDSL

▼ PEF 21624 E V2.2-G	SP000354553	PG-LBGA-324-2	SOCRATES™ (SDFE-1): 2nd generation symmetrical DSL front end with 1-channel for TDM applications, tray
▼ PEF 22624 E V2.2-G	SP000354549	PG-LBGA-324-2	SOCRATES™ (SDFE-2): 2nd generation symmetrical DSL front end with 2-channel for TDM applications, tray
▼ PEF 24624 E V2.2-G	SP000354548	PG-LBGA-324-2	SOCRATES™ (SDFE-4): 2nd generation symmetrical DSL front end with 4-channel for TDM applications, tray
PEF 24625 E V1.2-G	SP000054060	PG-BGA-484-1	SOCRATES™ (SDC-16i): 2nd generation symmetrical DSL controller for 16-channels and IMA (SDC-16i). Only available as part of SOCRATES™-16Bis chipset, which consists of 1 x PEF24625 (SDC-16i) + 4 x PEF 24624 (SDFE-4), tray
PEF 24625 E V1.2-G	SP000223349	PG-BGA-484-1	SOCRATES™ (SDC-16i): 2nd generation symmetrical DSL controller for 16-channels and IMA (SDC-16i). Only available as part of SOCRATES™-16Bis chipset, which consists of 1x PEF24625 (SDC-16i) + 4 x PEF 24624 (SDFE-4), tape & reel
▼ PEF 21628 E V1.2-G	SP000355512	PG-LBGA-324-2	SOCRATES™ (SOCRATES™-1e): 3rd generation EFM-(Ethernet First Mile) symmetrical DSL transceiver with 1-channel for IP, ATM, TDM applications, tray
▼ PEF 22628 E V1.2-G	SP000355518	PG-LBGA-324-2	SOCRATES™ (SOCRATES™-2e): 3rd generation EFM-(Ethernet First Mile) symmetrical DSL transceiver with 2-channel for IP, ATM, TDM applications, tray
▼ PEF 24628 E V1.2-G	SP000355527	PG-LBGA-324-2	SOCRATES™ (SOCRATES™-4e): 3rd generation EFM-(Ethernet First Mile) symmetrical DSL transceiver with 4-channel for IP, ATM, TDM applications, tray
▼ PEF 21627 E V1.2-G	SP000354551	PG-LBGA-324-2	SOCRATES™ (SOCRATES™-1U): 3rd generation symmetrical DSL front end with 1-channel for ATM, TDM, IP applications, tray
▼ PEF 22627 E V1.2-G	SP000355514	PG-LBGA-324-2	SOCRATES™ (SOCRATES™-2U): 3rd generation symmetrical DSL front end with 2-channel for ATM, TDM, IP applications, tray
PEF 24627 E V1.1-G	SP000208962	PG-LBGA-324-2	SOCRATES™ (SOCRATES™4U): 3rd generation symmetrical DSL front end with 4-channel for ATM, TDM, IP applications, tray
EASY SDFE-4	SP000008101	—	SOCRATES™ (SDFE-4): Evaluation board for PEF 24624 (SDFE-4)
EASY 24624	on request	—	SOCRATES™ (SDC-16i): Evaluation board for PEF 24625 (SDC16i)
EASY 24624 TDM	on request	—	SOCRATES™: TDM module for EASY 24624 MII. This optional board gives TDM connection to EASY 24624 MII for testing purposes
EASY 24628 MII/UTOPIA	SP000089850	—	SOCRATES™ (SOCRATES™-4e): Evaluation board for PEF 24628

VDSL1

▼ PEF 22827 EL V1.1-G	SP000008144	PG-LFBGA-255-1	VDSL6100i: Integrated Modem-on-Chip (MoC) for Ethernet-over-VDSL applications
▼ VDSL6100i-E	SP000008186	—	VDSL6100i: Evaluation board for PEF 22827

SMD = Surface Mounted Device

Communication

Type	Ordering Code	Package	Description
Wired Communication Core Access			
T/E Carrier - E1/T1/J1			
PEF 2256 E V2.2-G	SP000057074	PG-LBGA-81-1	FALC™56: Single channel E1/T1/J1 framer, line interface unit (LIU) and signaling controller for long- and short-haul applications, tray
▼ PEF 2256 H V2.2	SP000057075	PG-MQFP-80-1	
PEF 22552 E V1.1-G	SP000065628	PG-LBGA-160-1	DUALFALC™: Dual channel E1/T1/J1 framer, line interface unit (LIU) and signaling controller for long- and short-haul applications, tray
PEF 22554 E V3.1-G	SP000074240	PG-LBGA-160-1	QUADFALC™: Quad channel E1/T1/J1 framer, line interface unit (LIU) and signaling controller for long- and short-haul applications, tray
▼ PEF 22554 HT V3.1	SP000208945	PG-TQFP-144-2	QUADFALC™: Quad channel E1/T1/J1 framer, line interface unit (LIU) and signaling controller for long- and short-haul applications, tape & reel
PEF 22554 HT V3.1	SP000064070	PG-TQFP-144-2	QUADFALC™: Quad channel E1/T1/J1 framer, line interface unit (LIU) and signaling controller for long- and short-haul applications, tray
PEF 22558 E V1.1-G	SP000008139	PG-LBGA-256-1	OCTALFALC™: Octal channel E1/T1/J1 framer, line interface unit (LIU) and signaling controller for long- and short-haul applications, tray
PEF 22504 E V2.1-G	SP000081770	PG-LBGA-160-1	QUADLIU: Quad channel E1/T1/J1 line interface unit (LIU) for long- and short-haul applications, tray
PEF 22504 HT V2.1	SP000209867	PG-TQFP-144-2	
▼ PEF 22505 E V2.1-G	SP000205603	PG-LBGA-160-1	QUADLIU: Quad channel E1/T1/J1 line interface unit (LIU) for short-haul applications, tray
▼ PEF 22505 HT V2.1	SP000227939	PG-TQFP-144-2	
PEF 22508 E V1.1-G	SP000029953	PG-LBGA-256-1	OCTALLIU: Octal channel E1/T1/J1 line interface unit (LIU) for long- and short-haul applications, tray
▼ PEF 22509 E V1.1-G	SP000205606	PG-LBGA-256-1	OCTALLIU: Octal channel E1/T1/J1 line interface unit (LIU) for short- haul applications, tray
PEF 22557 E V1.1-G	SP000055478	PG-LBGA-256-1	OCTALFRAMER: Octal channel E1/T1/J1 framer, tray
EASY 2256	on request	—	FALC™56: Evaluation board for PEF 2256 E
EASY 22552	SP000202849	—	DUALFALC™: Evaluation board for PEF 22552
EASY 22554	SP000007919	—	QUADFALC™: Evaluation board for PEF 22554
EASY 22558	SP000053860	—	OCTALFALC™: Evaluation board for PEF 22558
EASY 22504	on request	—	QUADLIU: Evaluation board for PEF 22504
EASY 22508	on request	—	OCTALLIU: Evaluation board for PEF 22508
T/E Carrier - E3/T3			
PEB 3445 E V2.1-G	SP000226333	PG-BGA-272-1	TE3-MUX: DS3 framer with M13 multiplexer, 0° C to 70° C, tray
PEF 3460 E V1.2-G	SP000088005	PG-BGA-272-4	TE3-FALC: Integrated DS3/E3 framer and E3/T3 line interface unit (LIU) for ATM, Frame Relay and PPP/IP, tray
▼ PEF 3452 H V1.3	SP000243340	PG-MQFP-44-2	TE3-LIU: Single channel line interface unit (LIU) for DS3, STS-1 and E3 applications, tape & reel
PEF 3452 H V1.3	SP000007643	PG-MQFP-44-2	TE3-LIU: Single channel line interface unit (LIU) for DS3, STS-1 and E3 applications, tray
EASY 3460	on request	—	TE3-FALC: Evaluation board for PEF 3460 (TE3-FALC)
EASY 3452	on request	—	PEF 3452: Evaluation board for PEF 3452

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Wired Communication Core Access			
HDLC Controller			
▼ PEB 20525 F V1.3	SP000307369	PG-TQFP-100-3	SEROCCO™-H: Two channel serial optimized communication controller for HDLC and PPP. Full duplex data rates on each channel up to 12.5 Mbit/s, 0° C to 70° C, tape & reel
PEB 20525 F V1.3	SP000007591	PG-TQFP-100-3	SEROCCO™-H: Two channel serial optimized communication controller for HDLC and PPP. Full duplex data rates on each channel up to 12.5 Mbit/s, 0° C to 70° C, tray
PEF 20525 F V1.3	SP000225720	PG-TQFP-100-3	SEROCCO™-H: Two channel serial optimized communication controller for HDLC and PPP. Full duplex data rates on each channel up to 12.5 Mbit/s, -40° C to 85° C, tape & reel
PEF 20525 F V1.3	SP000007592	PG-TQFP-100-3	SEROCCO™-H: Two channel serial optimized communication controller for HDLC and PPP. Full duplex data rates on each channel up to 12.5 Mbit/s, -40° C to 85° C, tray
PEB 20532 F V1.3	SP000007512	PG-TQFP-100-3	SEROCCO™-M: Two channel serial optimized communication controller for HDLC and PPP. Full duplex data rates on each channel up to 12.5 Mbit/s, 0° C to 70° C, tray
PEF 20532 F V1.3	SP000007511	PG-TQFP-100-3	SEROCCO™-M: Two channel serial optimized communication controller for HDLC and PPP. Full duplex data rates on each channel up to 12.5 Mbit/s, -40° C to 85° C, tray
PEB 20542 F V1.3	SP000007633	PG-TQFP-144-2	SEROCCO™-D: Two channel serial optimized communication controller for HDLC and PPP. Full duplex data rates on each channel up to 16 Mbit/s. Integrated DMA controller with four independent DMA channels, 0° C to 70° C, tray
PEF 20542 F V1.3	SP000007634	PG-TQFP-144-2	SEROCCO™-D: Two channel serial optimized communication controller for HDLC and PPP. Full duplex data rates on each channel up to 16 Mbit/s. Integrated DMA controller with four independent DMA channels, -40° C to 85° C, tray
PEB 20256 E V2.2-G	SP000205442	PG-BGA-388-2	MUNICH256: Multichannel network interface controller for HDLC/PPP with 256 channels and on-chip data management unit, 0° C to 70° C, tray
EASY 20525 V1.1	on request	—	SEROCCO™-H: Evaluation board for PEB/PEF 20525
EASY 20532 V1.1	on request	—	SEROCCO™-M: Evaluation board for PEB/PEF 20532
EASY 20542 V1.1	SP000007916	—	SEROCCO™-D: Evaluation board for PEB/PEF 20542
EASY 256 E 1T1	SP000007945	—	MUNICH256: Reference design for PEB 20256 and PEF 22554 (MUNICH256/QUADFALC™)

Interworking Products**ATM to Time Slot**

PXB 4220 E V3.4-G	SP000017873	PG-BGA-256-1	IWE™8: Interworking element between 8 E1/T1 lines and ATM (ATM cell mapping into PDH with AAL Mode (AAL1) and Synchronous Residual Time Stamp by Bellcore (SRTS)), 0° C to 70° C, tray
PXB 4221 E V3.4-G	SP000017875	PG-BGA-256-1	IWE™8: Interworking element between 8 E1/T1 lines and ATM (ATM cell mapping into PDH with AAL Mode (AAL1) but without Synchronous Residual Time Stamp by Bellcore (SRTS)), 0° C to 70° C, tray
PXF 4222 E V1.3-G	SP000017876	PG-BGA-388-2	IWORX™-P: Next generation interworking controller between ATM and PDH (AAL1, G.804, IMA, μP, RAM), -40° C to 85° C, tray
PXF 4225 E V1.3-G	SP000017877	PG-BGA-388-2	IWORX™-P: Next generation interworking controller between ATM and PDH (AAL1/2/5, HDLC, G.804, OAM, IMA, μP, RAM), -40° C to 85° C, tray
EASY 4220	on request	—	IWE™8: Reference design for PXF 4220

SMD = Surface Mounted Device

Communication

Type	Ordering Code	Package	Description
Wired Communication Voice Access			
Voice over IP			
PEB 3331 F V2.2	SP000236900	PG-TQFP-64-1	VINETIC™-1CPE: Single channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP, 0° C to 70° C, tape & reel
PEF 3331 F V2.2	SP000236916	PG-TQFP-64-1	VINETIC™-1CPE: Single channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP, -40° C to 85° C, tape & reel
PEB 3331 HT V2.2	SP000236901	PG-TQFP-100-1	VINETIC™-1CPE: Single channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP, 0° C to 70° C, tray
PEF 3331 HT V2.2	SP000236914	PG-TQFP-100-1	VINETIC™-1CPE: Single channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP, -40° C to 85° C, tray
PEB 3332 F V2.2	SP000236902	PG-TQFP-64-1	VINETIC™-2CPE: Dual channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP, 0° C to 70° C, tape & reel
PEF 3332 F V2.2	SP000236915	PG-TQFP-64-1	VINETIC™-2CPE: Dual channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP, -40° C to 85° C, tape & reel
PEB 3332 HT V2.2	SP000236903	PG-TQFP-100-1	VINETIC™-2CPE: Dual channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP, 0° C to 70° C, tape & reel
▼ PEB 3332 HT V2.2	SP000298410	PG-TQFP-100-1	VINETIC™-2CPE: Dual channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP, 0° C to 70° C, tray
PEF 3332 HT V2.2	SP000236913	PG-TQFP-100-1	VINETIC™-2CPE: Dual channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP, -40° C to 85° C, tray
PEB 3341 HT V2.2	SP000237749	PG-TQFP-100-9	VINETIC™-1ATA: Single channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP, 0° C to 70° C, tape & reel
PEB 3341 HT V2.2	SP000236908	PG-TQFP-100-9	VINETIC™-1ATA: Single channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP, 0° C to 70° C, tray
PEB 3341 F V2.2	SP000236907	PG-TQFP-64-1	VINETIC™-1ATA: Single channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP, tape & reel
PEB 3342 HT V2.2	SP000237743	PG-TQFP-100-9	VINETIC™-2ATA: Dual channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP, 0° C to 70° C, tape & reel
PEB 3342 HT V2.2	SP000236910	PG-TQFP-100-9	VINETIC™-2ATA: Dual channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP, 0° C to 70° C, tray
PEB 33321 EL V2.2-G	SP000257254	PG-LBGA-144-3	VINETIC™-1PLUS: Dual channel codec/single channel SLIC™ and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP, 0° C to 70° C, tray
PEB 33322 EL V2.2-G	SP000257253	PG-LBGA-144-3	VINETIC™-2PLUS: Dual channel codec/dual channel SLIC™ and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP, 0° C to 70° C, tray
▼ PEF 33322 EL V2.2-G	SP000376873	PG-LBGA-144-3	VINETIC™-2PLUS: Dual channel codec/dual channel SLIC™ and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP, -40° C to 85° C, tray
PEB 3324 E V1.4-G	SP000108018	PG-LBGA-176-3	VINETIC™-4VIP: Four channel codec and VoIP DSP, G.723, G.729, G.728, T.38 fax relay, LEC, AAL2 and RTP, 0° C to 70° C, tray
PEB 3324 HL V1.4	SP000008031	PG-LQFP-176-2	
▼ PEB 3340 HT V2.1	SP000201482	PG-TQFP-100-9	VINETIC™-CL: Two channel VoIP DSP with PCM interface, no SLIC™ interface, G.729, G.723.1, iLBC, LEC, T.38, RTP, 0° C to 70° C, tray
PEB 3320 HT V2.2	SP000236911	PG-TQFP-100-9	VINETIC™-0: Four channel VoIP DSP with PCM interface, no SLIC™ interface, G.729, G.723.1, iLBC, LEC, T.38, RTP, 0° C to 70° C, tray
PEB 3320 F V2.2	SP000236912	PG-TQFP-64-1	VINETIC™-0: Four channel VoIP DSP with PCM interface, no SLIC™ interface, G.729, G.723.1, iLBC, LEC, T.38, RTP, 0° C to 70° C, tape & reel
PEF 3314 HL V2.2	SP000018270	PG-LQFP-176-2	VINETIC™-4M: Four channel codec with VoIP DSP for G.728, AAL2 and RTP, -40° C to 85° C, large packing unit 40 pcs, tray
PEF 3314 E V2.2-G	SP000068753	PG-LBGA-176-2	VINETIC™-4M: Four channel codec with VoIP DSP for G.728, AAL2 and RTP, -40° C to 85° C, large packing unit 540 pcs, tray
EASY 334	SP000007929	—	VINETIC™-4VIP/-4M: Evaluation board for PEB 3324/PEF 3304. Evaluation board includes 1 x EASY 334 + 2 x SMART 4265 (SLIC™-E)

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Wired Communication Voice Access			
SLIC™ and Codec			
PEF 3394 HL V2.2	SP000231959	PG-LQFP-176-2	VINETIC™-4C: Fully programmable 4-channel CODEC with voice processing DSP, enhanced feature set, large packing unit 240 pcs, -40° C to 85° C, tray
PEF 3394 HL V2.2	SP000018278	PG-LQFP-176-2	VINETIC™-4C: Fully programmable 4-channel CODEC with voice processing DSP, enhanced feature set, large packing unit 40 pcs, -40° C to 85° C, tray
▼ PEF 3394 E V2.2-G	SP000068756	PG-LBGA-176-3	VINETIC™-4C: Fully programmable 4-channel CODEC with voice processing DSP, enhanced feature set, large packing unit 160 pcs, -40° C to 85° C, tray
PEF 3394 EL V2.2-G	SP000212320	PG-LBGA-144-1	
PEF 3394 EL V2.2-G	SP000053927	PG-LBGA-144-1	VINETIC™-4C: Fully programmable 4-channel CODEC with voice processing DSP, enhanced feature set, large packing unit 960 pcs, -40° C to 85° C, tray
PEF 3304 EL V2.1-G	SP000223348	PG-LBGA-144-1	VINETIC™-4S: Fully programmable 4-channel CODEC with voice processing DSP, standard feature set, -40° C to 85° C, tape & reel
PEF 3304 EL V2.1-G	SP000054559	PG-LBGA-144-1	VINETIC™-4S: Fully programmable 4-channel CODEC with voice processing DSP, standard feature set, -40° C to 85° C, tray
PEF 3304 HL V2.1	SP000053496	PG-LQFP-176-2	
PEF 3304 E V2.1-G	SP000053495	PG-LBGA-176-3	
PEB 3165 F V1.1	SP000008162	PG-TQFP-64-1	SLICOFI-1 (DUSLIC™): Single channel subscriber line interface codec filter, enhanced feature set, 0° C to 70° C, tape & reel
PEB 3164 F V1.1	SP000222941	PG-TQFP-64-1	SLICOFI-1S (DUSLIC™): Single channel subscriber line interface codec filter, enhanced feature set, 0° C to 70° C, tape & reel
PEB 3164 F V1.1	SP000008146	PG-TQFP-64-1	SLICOFI-1S (DUSLIC™): Single channel subscriber line interface codec filter, enhanced feature set, 0° C to 70° C, tray
PEB 3265 F V1.5	SP000007818	PG-TQFP-64-1	SLICOFI-2 (DUSLIC™): Single channel subscriber line interface codec filter, enhanced feature set, 0° C to 70° C, tape & reel
▼ PEB 3265 H V1.5	SP000007721	PG-MQFP-64-1	
PEB 3265 F V1.5	SP000007817	PG-TQFP-64-1	SLICOFI-2 (DUSLIC™): Single channel subscriber line interface codec filter, enhanced feature set, 0° C to 70° C, tray
▼ PEB 3265 H V1.5	SP000007720	PG-MQFP-64-1	SLICOFI-2S (DUSLIC™): Single channel subscriber line interface codec filter, enhanced feature set, 0° C to 70° C, tape & reel
PEB 3264 F V1.4	SP000007820	PG-TQFP-64-1	
PEB 3264 F V1.4	SP000007819	PG-TQFP-64-1	SLICOFI-2S (DUSLIC™): Single channel subscriber line interface codec filter, enhanced feature set, 0° C to 70° C, tray
▼ PEB 3264 H V1.4	SP000007731	PG-MQFP-64-1	
PEF 4265 T V2.1	SP000101234	PG-DSO-20-5	SLIC™-E (DUSLIC™): Subscriber line interface circuit, enhanced feature set, -40° C to 85° C, tape & reel
PEF 4265 V V2.1	SP000101233	PG-VQFN-48-4	
PEF 4265-2 V T V2.1	SP000206901	PG-DSO-20-5	SLIC™-E2 (DUSLIC™): Subscriber line interface circuit, enhanced feature set, -40° C to 85° C, tape & reel
PEF 4265-2 V V2.1	SP000102911	PG-VQFN-48-4	
PEF 4268 F V1.2	SP000211403	PG-TQFP-48-1	SLIC™-DC (DUSLIC™): Subscriber line interface circuit, with integrated DC/DC converter, -40° C to 85° C, tape & reel
PEF 4268 F V1.2	SP000063679	PG-TQFP-48-1	SLIC™-DC (DUSLIC™): Subscriber line interface circuit, with integrated DC/DC converter, -40° C to 85° C, tray
PEF 4268 T V1.2	SP000063678	PG-DSO-24-8	SLIC™-DC (DUSLIC™): Subscriber line interface circuit, with integrated DC/DC converter, -40° C to 85° C, tape & reel
PEB 4266 V V1.2	SP000007763	PG-VQFN-48-4	SLIC™-P (DUSLIC™): Subscriber line interface circuit, enhanced power management, 0° C to 70° C, tape & reel
PEB 4266 T V1.2	SP000007528	PG-DSO-20-5	
PEF 4264 V V2.1	SP000231488	PG-VQFN-48-4	SLIC™-S (DUSLIC™): Subscriber line interface circuit, standard feature set, -40° C to 85° C, tape & reel
PEF 4264 T V2.1	SP000231489	PG-DSO-20-5	
PEF 4264-2 V V2.1	SP000231405	PG-VQFN-48-4	SLIC™-S2 (DUSLIC™): Subscriber line interface circuit, enhanced feature set, -40° C to 85° C, tape & reel
PEF 4264-2 T V2.1	SP000231490	PG-DSO-20-5	
PEB 4262 V V1.1	SP000008052	PG-VQFN-48-4	SLIC™-LCP (DUSLIC™): Subscriber line interface circuit, for US market, 0° C to 70° C, tape & reel
PEB 3268 F V1.1	SP000089806	PG-TQFP-100-9	DUSLIC™-SP: Dual channel subscriber line interface circuit in a single package, 0° C to 70° C, tray
▼ PEB 3168 F V1.1	SP000203413	PG-TQFP-100-9	DUSLIC™-SP1: Single channel subscriber line interface circuit in a single package, 0° C to 70° C, tray

SMD = Surface Mounted Device

Communication

Type	Ordering Code	Package	Description
Wired Communication Voice Access			
SLIC™ and Codec (cont'd)			
PEF 4365 T V2.1	SP000099015	PG-DSO-36-15	TSLIC-E (DUSLIC™): Twin subscriber line interface circuit, enhanced feature set, -40° C to 85° C, tape & reel
▼ PEF 4364 T V2.1	SP000234983	PG-DSO-36-15	TSLIC-S (DUSLIC™): Twin subscriber line interface circuit, standard feature set, -40° C to 85° C, tape & reel
EASY 3265	SP000008002	—	DUSLIC™: Tool package for DUSLIC™ family. Tool package includes: 1 x SMART 3265 + 1 x SMART 4265 + 1 x SMART 2000
SMART 3265	SP000007987	—	DUSLIC™: Evaluation board for DUSLIC™ family. Evaluation board includes: 1 x SMART 3265 + 1 x SMART 4265
SMART 4262	on request	—	SLIC™-LCP (DUSLIC™): Evaluation board for PEB 4262
SMART 4265 P-VQFN-48	on request	—	SLIC™-E/SLIC™-P/SLIC™-S (DUSLIC™): Evaluation board for PEF 4265 or PEF 4266 or PEF 4264. PEF 4265 mounted on board
SMART 4265 P-DSO-20	on request	—	
SMART 4268	SP000008156	—	SLIC™-DC (DUSLIC™): Evaluation board for PEF 4268
SMART 4365 P-DSO-36	SP000007990	—	TSLIC-E/TSLIC-S (DUSLIC™): Evaluation board for PEB 4365 and PEB 4364. PEF 4365 mounted on board
EASY 3268	SP000204383	—	DUSLIC™-SP: Tool package for PEB 3268. Tool package includes: 1 x SMART 3268 + 1 x SMART 2000
SMART 3268	SP000204343	—	DUSLIC™-SP: Evaluation board for PEB 3268. Evaluation board includes: 1 x SMART 3268
EASY 334	SP000007929	—	VINETIC™-4S/-4C: Evaluation board for PEF 3314/3394. Evaluation board includes 1 x EASY 334 + 2 x SMART 4265 (SLIC™-E)

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Wired Communication Voice Access			
ISDN S/T and U_{pn} Transceiver			
PEB 3081 F V1.4	SP000007636	PG-TQFP-48-1	SBCX-X: Full duplex 2B + D S/T interface transceiver according to ITU-T I.430, tray
PEB 3081 H V1.4	SP000007583	PG-MQFP-44-1	
PEB 3081 F V1.4	SP000007637	PG-TQFP-48-1	SBCX-X: Full duplex 2B + D S/T interface transceiver according to ITU-T I.430, tape & reel
PEB 3081 H V1.4	SP000007584	PG-MQFP-44-1	
PEB 3086 F V1.4	SP000007571	PG-TQFP-64-1	ISAC™-SX: Full duplex 2B + D S/T interface transceiver according to ITU-T I.430 with one D-channel HDLC controller and one B-channel HDLC controller with reduced functionality, tray
PEB 3086 H V1.4	SP000007567	PG-MQFP-64-1	
PEB 3086 F V1.4	SP000007572	PG-TQFP-64-1	ISAC™-SX: Full duplex 2B + D S/T interface transceiver according to ITU-T I.430 with one D-channel HDLC controller and one B-channel HDLC controller with reduced functionality, tape & reel
PEB 3086 H V1.4	SP000007569	PG-MQFP-64-1	
PSB 3186 F V1.4	SP000007585	PG-TQFP-64-1	ISAC™-SX-TE: ISDN subscriber access controller for terminals, full duplex 2B + D S/T interface transceiver according to ITU-T I.430, tray
PSB 3186 H V1.4	SP000007610	PG-MQFP-64-1	
PSB 3186 F V1.4	SP000007586	PG-TQFP-64-1	ISAC™-SX-TE: ISDN subscriber access controller for terminals, full duplex 2B + D S/T interface transceiver according to ITU-T I.430, tape & reel
PSB 21150 F V1.4	SP000007575	PG-TQFP-64-1	IPAC-X: ISDN PC adapter circuit extended, full duplex 2B + D S/T interface transceiver according to ITU-T I.430, tray
PSB 21150 H V1.4	SP000007578	PG-MQFP-64-1	
PSB 21150 F V1.4	SP000007577	PG-TQFP-64-1	IPAC-X: ISDN PC adapter circuit extended, full duplex 2B + D S/T interface transceiver according to ITU-T I.430, tape & reel
PSF 21150 F V1.4	SP000007576	PG-TQFP-64-1	IPAC-X: ISDN PC adapter circuit extended, full duplex 2B + D S/T interface transceiver according to ITU-T I.430, -40° C to 85° C, tray
PEB 20590 H V2.2	SP000007249	PG-MQFP-80-1	VIP: Versatile ISDN port. Eight ISDN interfaces with up to four S/T and four U _{pn} or eight U _{pn} interfaces, large packing unit 504 pcs, tray (only available with DELIC-LC/-PB)
PEB 20591 H V2.2	SP000007600	PG-MQFP-80-1	VIP-8: Versatile ISDN port. Eight ISDN interfaces with up to eight S/T or eight U _{pn} interfaces, tray (only available with DELIC-LC/-PB)
PEB 20591 H V2.2	SP000240128	PG-MQFP-80-1	VIP-8: Versatile ISDN port. Eight ISDN interfaces with up to eight S/T or eight U _{pn} interfaces, tape & reel (only available with DELIC-LC/-PB)
SMART 21150	SP000007975	—	IPAC-X: Evaluation board for the PSB 21150. Additional tool: SMART 2000
SMART 2000	SP000007972	—	SMART 2000: Mainboard

SMD = Surface Mounted Device

Communication

Type	Ordering Code	Package	Description
Wired Communication Voice Access			
ISDN PBX Controller			
PEB 20570 F V3.1	SP000007243	PG-TQFP-100-1	DELIC-LC: Line card controller, supporting up to three VIP/VIP-8 (24 ISDN channels), large packing unit 90 pcs, 0° C to 70° C, tray
PEB 20571 F V3.1	SP000007541	PG-TQFP-100-1	DELIC-PB: PBX controller with integrated DSP, supporting up to three VIP/VIP-8 (24 ISDN channels), large packing unit 1400 pcs, 0° C to 70° C, tape & reel
PEB 20571 F V3.1	SP000007539	PG-TQFP-100-1	DELIC-PB: PBX controller with integrated DSP, supporting up to three VIP/VIP-8 (24 ISDN channels), large packing unit 540 pcs, 0° C to 70° C, tray
PEF 20571 F V3.1	SP000008000	PG-TQFP-100-1	DELIC-PB: PBX controller with integrated DSP, supporting up to three VIP/VIP-8 (24 ISDN channels), -40° C to 85° C, tray

ISDN Echo Cancellation Circuit

PEF 24902 H V2.1	SP000007489	PG-MQFP-64-1	AFE: 4-channel ISDN echocancellation circuit for 4B3T / 2B1Q line code, -40° C to 85° C, large packing unit 504 pcs, (only available as chipset IEC4-T/Q), tray
PEF 24902 H V2.1	SP000007490	PG-MQFP-64-1	AFE: 4-channel ISDN echocancellation circuit for 4B3T / 2B1Q line code, -40° C to 85° C, large packing unit 84 pcs, (only available as chipset IEC4-T/Q), tray
PEF 24902 H V2.1	SP000007491	PG-MQFP-64-1	AFE: 4-channel ISDN echocancellation circuit for 4B3T / 2B1Q line code, -40° C to 85° C, (only available as chipset IEC4-T/Q), tape & reel
PEB 24902 H V2.1	SP000007347	PG-MQFP-64-1	AFE: 4-channel ISDN echocancellation circuit for 4B3T / 2B1Q line code, large packing unit 504 pcs, (only available as chipset IEC4-T/Q), 0° C to 70° C, tray
PEB 24902 H V2.1	SP000007348	PG-MQFP-64-1	AFE: 4-channel ISDN echocancellation circuit for 4B3T / 2B1Q line code, large packing unit 84 pcs, (only available as chipset IEC4-T/Q), 0° C to 70° C, tray
PEB 24902 H V2.1	SP000007349	PG-MQFP-64-1	AFE: 4-channel ISDN echocancellation circuit for 4B3T / 2B1Q line code (only available as chipset IEC4-T/Q), 0° C to 70° C, tape & reel
PEF 24901 H V2.2	SP000007535	PG-MQFP-64-1	DFE-T: 4-channel ISDN echocancellation circuit for 4B3T line code, -40° C to 85° C, (only available as chipset IEC4-T), tray
PEF 24901 H V2.2	SP000007536	PG-MQFP-64-1	DFE-T: 4-channel ISDN echocancellation circuit for 4B3T line code, -40° C to 85° C, (only available as chipset IEC4-T), tape & reel
PEF 24911 H V2.2	SP000008078	PG-MQFP-64-1	DFE-Q: 4-channel ISDN echocancellation circuit for 2B1Q line code, -40° C to 85° C, (only available as chipset IEC4-Q), tray
PEF 24911 H V2.2	SP000008079	PG-MQFP-64-1	DFE-Q: 4-channel ISDN echocancellation circuit for 2B1Q line code, -40° C to 85° C, (only available as chipset IEC4-Q), tape & reel
SMART 2426 USA/JPN	on request	—	DFE-Q: Evaluation board for PEF 24902 + PEF 24911, USA/Japan version, 2B1Q line coding (evaluation board includes: Quad AFE-Q + DFE-Q + QIHPC). Additional tool: SMART 2000
SMART 2426 EURO	on request	—	DFE-T: Evaluation board for PEF 24902 + PEF 24901, Europe version, 4B3T line coding (evaluation board includes: Quad AFE-T + DFE-T + QIHPC). Additional tool: SMART 2000
SMART 2000	SP000007972	—	SMART 2000: Mainboard

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Wired Communication Voice Access			
ISDN/S(H)DSL Power Controller			
PEF 2026 T-S V1.1	SP000007178	PG-DSO-20-6	IHPC: Single ISDN/SHDSL high voltage power controller, -40° C to 85° C, tape & reel
PEB 2026 T-P V1.1	SP000225733	PG-DSO-20-6	IHPC: Single ISDN/SHDSL high voltage power controller, large packing unit 800 pcs, 0° C to 70° C, tape & reel
PEB 2026 T-P V1.1	SP000225732	PG-DSO-20-6	IHPC: Single ISDN/SHDSL high voltage power controller, large packing unit 1000 pcs, 0° C to 70° C, tape & reel
PEF 2426 H V1.1 GD	SP000007499	PG-MQFP-44-1	QIHPC: Quad ISDN/SHDSL high voltage power controller, -40° C to 85° C, tape & reel
PEF 2426 H V1.1 D	SP000007497	PG-MQFP-44-1	QIHPC: Quad ISDN/SHDSL high voltage power controller, -40° C to 85° C, tray
SMART 2426 USA/JPN	on request	—	QIHPC: Evaluation board for PEF 2426, USA/Japan version, 2B1Q line coding (evaluation board includes: Quad AFE-Q + DFE-Q + QIHPC). Additional tool: SMART 2000
SMART 2426 EURO	on request	—	QIHPC: Evaluation board for PEF 2426, Europe version, 4B3T line coding (evaluation board includes: Quad AFE-T + DFE-T + QIHPC). Additional tool: SMART 2000
SMART 2000	SP000007972	—	SMART 2000: Mainboard

ISDN PCM Interface Controller

PEF 2054 N V2.1	SP000075438	PG-LCC-44-1	EPIC™-S: Extended PCM interface controller (16 ISDN or 32 analog subscribers), tape & reel
PEF 2054 N V2.1	SP000057916	PG-LCC-44-1	EPIC™-S: Extended PCM interface controller (16 ISDN or 32 analog subscribers), tube
PEF 2055 N V2.1	SP000075706	PG-LCC-44-1	EPIC™-1: Extended PCM interface controller (32 ISDN or 64 analog subscribers), tube
PEF 2055 N V2.1	SP000075707	PG-LCC-44-1	EPIC™-1: Extended PCM interface controller (32 ISDN or 64 analog subscribers), tape & reel
PEF 20550 H V2.1	SP000007795	PG-MQFP-80-1	ELIC: Extended line card interface controller (32 ISDN or 64 analog subscribers), tape & reel
PEF 20550 H V2.1	SP000007794	PG-MQFP-80-1	ELIC: Extended line card interface controller (32 ISDN or 64 analog subscribers), large packing unit 84 pcs, tray

ISDN Network Termination Controller

PEF 80902 H V1.1	SP000007563	PG-MQFP-44-2	T-SMINT-O: 4B3T second generation modular ISDN NT (ordinary), tape & reel
PEF 80902 H V1.1	SP000007562	PG-MQFP-44-2	T-SMINT-O: 4B3T second generation modular ISDN NT (ordinary), tray
PEF 82902 F V1.1	SP000007565	PG-TQFP-64-1	T-SMINT-I: 4B3T second generation modular ISDN NT (intelligent), tray
PEF 82902 F V1.1	SP000007566	PG-TQFP-64-1	T-SMINT-I: 4B3T second generation modular ISDN NT (intelligent), tape & reel
PEF 80912 H V1.4	SP000007554	PG-MQFP-44-2	Q-SMINT-O: 2B1Q second generation modular ISDN NT (ordinary), large packing unit 96 pcs, tray
PEF 80912 H V1.4	SP000007553	PG-MQFP-44-2	Q-SMINT-O: 2B1Q second generation modular ISDN NT (ordinary), large packing unit 576 pcs, tray
PEF 80912 H V1.4	SP000007555	PG-MQFP-44-2	Q-SMINT-O: 2B1Q second generation modular ISDN NT (ordinary), tape & reel
PEF 82912 F V1.4	SP000007558	PG-TQFP-64-1	Q-SMINT-I: 2B1Q second generation modular ISDN NT (intelligent), tray
PEF 82912 F V1.4	SP000007559	PG-TQFP-64-1	Q-SMINT-I: 2B1Q second generation modular ISDN NT (intelligent), tape & reel

SMD = Surface Mounted Device

Communication

Type	Ordering Code	Package	Description
Wired Communication Voice Access			
Microcontroller for ISDN			
SAF C165H-LF V1.3	SP000007668	PG-TQFP-144-2	C165U: 16-bit microcontroller with HDLC and IOM™-2, large packing unit 60 pcs, tray
SAF C165H-LF V1.3	SP000007667	PG-TQFP-144-2	C165U: 16-bit microcontroller with HDLC and IOM™-2, large packing unit 360 pcs, tray
SAF C165H-LF V1.3	SP000007669	PG-TQFP-144-2	C165H: 16-bit microcontroller with HDLC and IOM™-2, tape & reel
SAF C165UTAH-LF V1.3	SP000007475	PG-TQFP-144-2	UTAH: 16-bit microcontroller with USB, HDLC and IOM™-2, large packing unit 60 pcs, tray
SAF C165UTAH-LF V1.3	SP000007474	PG-TQFP-144-2	UTAH: 16-bit microcontroller with USB, HDLC and IOM™-2, large packing unit 360 pcs, tray
SAF C165UTAH-LF V1.3	SP000007476	PG-TQFP-144-2	UTAH: 16-bit microcontroller with USB, HDLC and IOM™-2, tape & reel
EASY UTAH	on request	—	UTAH: Evaluation board for SAF-C165UTAH/SAF-C165H

VoIP Terminals

PSB 21553 E V1.4-G	SP000017644	PG-LBGA-324-3	INCA™-IPs: Single-chip IP-phone solution with integrated 3-port Ethernet switch, tape & reel
PSB 21553 E V1.4-G	SP000056178	PG-LBGA-324-3	INCA™-IPs: Single-chip IP-phone solution with integrated 3-port Ethernet switch, tray
PSB 21521 E V1.4-G	SP000226522	PG-LBGA-324-3	INCA™-IPc: Single-chip IP-phone solution with single 10/100BaseT Ethernet port, tray
▼ PSB 21653 E V1.4-G	SP000278555	PG-BGA-416-1	INCA™-IP2S: Single-chip IP-phone with internal GbE switch, tape & reel
▼ PSB 21653 EL V1.5-G	SP000310430	PG-LBGA-324-3	INCA™-IP: Evaluation board for PSB 21553
EASY 21553	SP000007917	—	INCA™-IP: Evaluation board for PSB 21553
▼ EASY 21653-Phone	SP000266142	—	INCA™-IP2S: Evaluation board for PSB 21653

ISDN Terminals

PSB 21382 H V1.3	SP000007373	PG-MQFP-64-1	SCOUT™-S: Infineon codec with S/T transceiver, tray
PSB 21383 H V1.3	SP000007532	PG-MQFP-44-1	SCOUT™-SX: Infineon codec with S/T transceiver featuring speakerphone functionality, tape & reel
PSB 21383 H V1.3	SP000007531	PG-MQFP-44-1	SCOUT™-SX: Infineon codec with S/T transceiver featuring speakerphone functionality, large packing unit 96 pcs, tray
PSB 21384 H V1.3	SP000007374	PG-MQFP-64-1	SCOUT™-SX: Infineon codec with S/T transceiver featuring speakerphone functionality, tray
PSB 21384 H V1.3	SP000007375	PG-MQFP-64-1	SCOUT™-SX: Infineon codec with S/T transceiver featuring speakerphone functionality, tape & reel
PSB 21391 H V1.3	SP000007376	PG-MQFP-44-1	SCOUT™-P: Infineon codec with U _{PN} transceiver, tray
PSB 21391 H V1.3	SP000007377	PG-MQFP-44-1	SCOUT™-P: Infineon codec with U _{PN} transceiver, tape & reel
PSB 21393 H V1.3	SP000007533	PG-MQFP-44-1	SCOUT™-PX: Infineon codec with U _{PN} transceiver featuring speakerphone functionality, tray
PSB 21393 H V1.3	SP000007534	PG-MQFP-44-1	SCOUT™-PX: Infineon codec with U _{PN} transceiver featuring speakerphone functionality, tape & reel
PSB 21493 H V1.7	SP000007996	P-MQFP-144-1	INCA™-P: Infineon codec with U _{PN} transceiver and embedded microcontroller featuring acoustic echo cancellation, tape & reel
PSB 21493 F V1.7	SP000007997	PG-TQFP-144-1	INCA™-P: Infineon codec with U _{PN} transceiver and embedded microcontroller featuring acoustic echo cancellation, tape & reel
SMART 21384	on request	—	SCOUT™-S/-SX: Evaluation board for PSB 21382/84. Additional tool: SMART 2000
SMART 21383	on request	—	SCOUT™-SX: Evaluation board for PSB 21383. Additional tool: SMART 2000
SIPB 21493	on request	—	INCA™-P: Evaluation board for 21493
SMART 2000	SP000007972	—	SMART 2000: Mainboard

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Wired Communication Broadband CPE			
Network Processor			
▼ ADM 3120 BX AB T2-G	SP000238054	PG-LFBGA-225-1	Network Processor: System-on-chip home gateway controller, 2TP, 2UART, small packing unit 160 pcs, tray
▼ ADM 3120 BX AB T2-G	SP000300849	PG-LFBGA-225-1	Network Processor: System-on-chip home gateway controller, 2TP, 2UART, large packing unit 1600 pcs, tray
ADM 5120 X AB T2-G	SP000078983	PG-BGA-324-1	Network Processor: System-on-chip home gateway controller, USB 1.1, PCI, 5TP + GMII, 2UART, tray
▼ ADM 5120 PX AB R2	SP000314382	PG-FQFP-208-9	Network Processor: System-on-chip home gateway controller, USB 1.1, 5TP + MII, 2UART, tape & reel
ADM 5120 PX AB T2	SP000081012	PG-FQFP-208-9	Network Processor: System-on-chip home gateway controller, USB 1.1, 5TP + MII, 2UART, tray
EASY 5120-RT	SP000017922	—	Network Processor: Evaluation board for ADM 5120 (X) (Wireless router reference package)
EASY 5120-WVOIP RT	SP000017943	—	Network Processor: Evaluation board for ADM 5120 (X) (2-channel ATA VoIP router reference package)
ADM 8668 TX A12-G	SP000208947	PG-BGA-289-1	WildPass™: Wireless network bridging system-on-chip, WLAN (WMAC+BBP), USB 2.0, 1TP + 1MII, PCM, SPI, tray
ADM 8668 FX A12-G	SP000208946	PG-BGA-352-1	WildPass™: Wireless network bridging system-on-chip, WLAN (WMAC+BBP), USB 2.0, 1TP + 1MII, PCI bridge, IDE controller, PCM, SPI, tray
EASY 8668 F	SP000068129	—	WildPass™: Evaluation board for ADM 8668 F(X)
▼ PXB 4000 E V1.3-G	SP000278563	PG-LBGA-256-1	TwinPass-E: Network processor system on-chip, PCI-interface, USB 2.0, 2TP + 2MII, SPI, tape & reel
▼ PXB 4000 E V1.3-G	SP000236852	PG-LBGA-256-1	TwinPass-E: Network processor system on-chip, PCI-interface, USB 2.0, 2TP + 2MII, SPI, tray
▼ PXB 4010 E V1.3-G	SP000278562	PG-LBGA-256-1	TwinPass-VE: VoIP network processor system on-chip, PCI-interface, USB 2.0, 2TP + 2MII, SPI, tape & reel
▼ PXB 4010 E V1.3-G	SP000236851	PG-LBGA-256-1	TwinPass-VE: VoIP network processor system on-chip, PCI-interface, USB 2.0, 2TP + 2MII, SPI, tray
▼ EASY 4000-MRT	SP000276990	—	Evaluation board for PXB 4000, router reference package
▼ EASY 4010-VRT	SP000277027	—	Evaluation board for PXB 4010, VoIP router reference package

Network Interface Card (NIC)

▼ AN 983 BX BG RV1	SP000209367	PG-MQFP-128-2	NIC: PCI to fast Ethernet NIC controller, tape & reel
AN 983 BX BG TV1	SP000075554	PG-MQFP-128-2	NIC: PCI to fast Ethernet NIC controller, tray
AN 983 BX BG TV8	SP000230706	PG-MQFP-128-2	
AN 985 BX BG TV1	SP000076447	PG-LQFP-128-1	NIC: Cardbus to fast Ethernet NIC controller, tray
ADM 8511 X CC T1	SP000076521	PG-LQFP-100-1	NIC: USB 1.1 to fast Ethernet NIC controller, tray
ADM 8513 X AD T1	SP000077769	PG-LQFP-48-1	NIC: USB 1.1 to fast Ethernet home PNA controller, tray
ADM 8515 X AC T1	SP000064377	PG-LQFP-100-1	NIC: USB 2.0 to Ethernet NIC controller, tray
EASY 983 B	SP000229528	—	NIC: Evaluation board for AN 983 B(X)
EASY 8511	SP000067472	—	NIC: Evaluation board for ADM 8511 (X)
EASY 8515	on request	—	NIC: Evaluation board for ADM 8515 (X)

SMD = Surface Mounted Device

Communication

Type	Ordering Code	Package	Description
Wired Communication Broadband CPE			
Fiber to Fast Ethernet Media Converter			
ADM 6992 CX AB T1	SP000076431	PG-TQFP-64-4	NINJA: Low cost fiber to fast Ethernet media converter with integrated two-port L2 switch and two-port phy, tray
ADM 6992 FX AB T1	SP000077768	PG-MQFP-128-2	NINJA: Fiber to fast Ethernet media converter with integrated two-port L2 switch and two-port phy, OAM engine for TS-1000 CPE/CO protocol conversion, tray
ADM 6992 KX AB T1	SP000076432	PG-TQFP-64-4	
EASY 6992 C	SP000017946	—	NINJA: Evaluation board for ADM 6992 C(X)
EASY 6992 F	SP000017947	—	NINJA: Evaluation board for ADM 6992 F(X)
EASY 6992 K	SP000017944	—	NINJA: Evaluation board for ADM 6992 K(X)
ADM 6993 X AD T1	SP000076438	PG-MQFP-128-2	SUMO: HDLC to fast Ethernet media converter with integrated three-port L2 switch and two-port phy, 3rd MAC port as GPSI/MII/HDLC, tray
ADM 6993 FX AD T1	SP000076437	PG-MQFP-128-2	SUMO: Fiber to fast Ethernet media converter with integrated three-port L2 switch and two-port phy, 3rd MAC port as GPSI/MII/RMII, OAM engine for TS-1000 CPE protocol conversion, tray
EASY 6993 F	on request	—	SUMO: Evaluation board for ADM 6993 FX

Ethernet Switch and Phy

ADM 6995 LCX AD T1	SP000219864	PG-MQFP-128-2	SAMURAI: Five port L2 Ethernet switch controller, 5TP, MDC/MDIO, tray
ADM 6996 FCX AD T1	SP000219863	PG-MQFP-128-2	SAMURAI: Six port L2 Ethernet switch controller, 4TP + 2MII, MDC/MDIO, tray
ADM 6996 FCX AD R1	SP000229744	PG-MQFP-128-2	SAMURAI: Six port L2 Ethernet switch controller, 4TP + 2MII, MDC/MDIO, tape & reel
ADM 6996 IX AD T1	SP000219861	PG-MQFP-128-2	SAMURAI: Six port L2 Ethernet switch controller, 5TP + 1MII, extra function on IGMP, QOS, tray
ADM 6996 LCX AD R1	SP000228446	PG-MQFP-128-2	SAMURAI: Six port L2 Ethernet switch controller, 5TP + 1MII, tape & reel
ADM 6996 LCX AD T1	SP000219862	PG-MQFP-128-2	SAMURAI: Six port L2 Ethernet switch controller, 5TP + 1MII, MDC/MDIO, tray
ADM 6996 MX AD T1	SP000210310	PG-MQFP-128-2	SAMURAI: Six port L2 Ethernet switch controller, 4TP + 2MII, MDC/MDIO, extra function on IGMP, QOS, tray
ADM 6996 HX AD T1	SP000220561	PG-MQFP-128-2	SAMURAI: Six port L2 Ethernet switch controller, 4TP + 1MII + 1HDLC, MDC/MDIO, extra function on IGMP, QOS, tray
▼ PSB 6970 HL V1.2	SP000316261	PG-LQFP-100-2	TANTOS-0G: Seven port L2 Ethernet switch controller, 5TP + 2TMII/MII, tape & reel
▼ PSB 6970 HL V1.2	SP000275269	PG-LQFP-100-2	TANTOS-0G: Seven port L2 Ethernet switch controller, 5TP + 2TMII/MII, tray
▼ PSB 6972 HL V1.2	SP000315555	PG-LQFP-100-2	TANTOS-2G: Seven port L2 Ethernet switch controller, 5TP + 2RGMII/TMII/MII, tape & reel
▼ PSB 6972 HL V1.2	SP000275270	PG-LQFP-100-2	TANTOS-2G: Seven port L2 Ethernet switch controller, 5TP + 2RGMII/TMII/MII, tray
▼ PSB 6973 EL V1.2-G	SP000312367	PG-LFBGA-225	TANTOS-3G: Seven port L2 Ethernet switch controller, 4/5TP + 3/2GMII/RGMII/TMII/MII, tape & reel
▼ PSB 6973 EL V1.2-G	SP000275271	PG-LFBGA-225	TANTOS-3G: Seven port L2 Ethernet switch controller, 4/5TP + 3/2GMII/RGMII/TMII/MII, tray
▼ PSF 6973 EL V1.2	SP000315557	PG-LFBGA-225	TANTOS-3GE: Seven port L2 Ethernet switch controller, 4/5TP + 3/2GMII/RGMII/TMII/MII, -40°C to 85°C, tape & reel
▼ PSF 6973 EL V1.2	SP000275272	PG-LFBGA-225	TANTOS-3GE: Seven port L2 Ethernet switch controller, 4/5TP + 3/2GMII/RGMII/TMII/MII, -40°C to 85°C, tray

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Wired Communication Broadband CPE			
Ethernet Switch and Phy cont'd)			
EASY 6996 FC	on request	—	SAMURAI: Evaluation board for ADM 6996 FC(X)
EASY 6996 I	on request	—	SAMURAI: Evaluation board for ADM 6996 I(X)
EASY 6996 I CPU	SP000084733	—	SAMURAI: Evaluation board for ADM 6996 I(X) with CPU
EASY 6996 LC	SP000062346	—	SAMURAI: Evaluation board for ADM 6996 LC(X)
EASY 6996 M	SP000062344	—	SAMURAI: Evaluation board for ADM 6996 M(X)
EASY 6996 M CPU SIDE	on request	—	SAMURAI: Evaluation board for ADM 6996 M(X), CPU board
EASY 6996 HX CPU	SP000243629	—	SAMURAI: Evaluation board for ADM 6996 H(X) with CPU
ADM 6999 X A2 T1	SP000076443	PG-MQFP-128-2	Switch: Nine-port L2 Ethernet switch controller, 8TP + 1MII, tray
ADM 6999 GX A2 T1	SP000076440	PG-MQFP-128-2	Switch: Nine-port L2 switch controller, 8TP + 1GMII, tray
ADM 6999 UX A2 T1	SP000076439	PG-MQFP-128-2	Switch: Nine-port L2 Ethernet switch controller, 8TP + 1.6GMII, tray
EASY 6999	on request	—	Switch: Evaluation board for ADM 6999 (X)
EASY 6999 U	on request	—	Switch: Evaluation board for ADM 6999 U(X)
ADM 7001 X AC T1	SP000076255	PG-LQFP-48-1	Phy: One-port 10/100Mbit/s phy, tray
ADM 7001 X AC R1	SP000083260	PG-LQFP-48-1	Phy: One-port 10/100Mbit/s phy, tape & reel
EASY 7001 MII	on request	—	Phy: Evaluation board for ADM 7001 (X)

SMD = Surface Mounted Device

Communication

Type	Ordering Code	Package	Description
Wireless Communication			
Bluetooth®			
PBA 31308	SP000209746	LG-MLGA-54	UniStone: Bluetooth® 2.0 HCI based module with Enhanced Data Rate (EDR), tape & reel
▼ BlueMoon™ UniStone Kit PBA 31308 KIT	SP000402286	—	UniStone: PBA 31308 evaluation board (2 mainboards and 2 CF cards)

Digital Cordless Telephony (DECT)

Dear partner, Infineon is offering a complete product portfolio for DECT handsets, to get more information please contact your local IFX sales office.

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Microcontrollers

Microcontrollers, 32-bit	25
Microcontrollers, 16/32-bit	27
Microcontrollers, 16-bit	28
Microcontrollers, 8-bit	51

Type	Ordering Code	Package	Description
Microcontrollers, 32-bit			
SAF-TC1100-L100EB BB-Step	SP000099818	P-LBGA-208-2	Consumer class TriCore™ CPU with 4-stage pipeline, floating point unit, memory management unit, 144-Kbyte on-chip SRAM, multifunctional general purpose timer unit with three 32-bit timer/counters, one capture and compare unit 6 for PWM signal generation, 100-MHz clock frequency, -40° C to 85° C, tray
SAF-TC1100-L100EB-G BB-Step	SP000106546	PG-LBGA-208-2	SAF-TC1100-L100EB, tray
SAF-TC1100-L100EB BB-Step	SP000099817	P-LBGA-208-2	as SAF-TC1100-L100EB, tape & reel
SAF-TC1100-L100EB-G BB-Step	SP000106545	PG-LBGA-208-2	
SAF-TC1100-L150EB BB-Step	SP000106548	P-LBGA-208-2	as SAF-TC1100-L100EB, 150-MHz clock frequency, tray
SAF-TC1100-L150EB-G BB-Step	SP000099816	PG-LBGA-208-2	
SAF-TC1100-L150EB BB-Step	SP000106547	P-LBGA-208-2	as SAF-TC1100-L100EB, 150-MHz clock frequency, tape & reel
SAF-TC1100-L150EB-G BB-Step	SP000099815	PG-LBGA-208-2	
SAF-TC1115L-100EB BB-Step	SP000099814	P-LBGA-208-2	High performance TriCore™ CPU with 4-stage pipeline, floating point unit, memory management unit, 144-Kbyte on-chip SRAM, multifunctional general purpose timer unit with three 32-bit timer/counters, two capture and compare unit 6 for PWM signal generation, multiCAN module with four CAN nodes, 100-MHz clock frequency, -40° C to 85° C, tray
SAF-TC1115L-100EB-G BB-Step	SP000106544	PG-LBGA-208-2	as SAF-TC1115L-100EB, tray
SAF-TC1115L-100EB BB-Step	SP000099813	P-LBGA-208-2	as SAF-TC1115L-100EB, tape & reel
SAF-TC1115L-100EB-G BB-Step	SP000106543	PG-LBGA-208-2	
SAF-TC1115L-150EB BB-Step	SP000106542	P-LBGA-208-2	as SAF-TC1115L-100EB, 150-MHz clock frequency, tray
SAF-TC1115L-150EB-G BB-Step	SP000099812	PG-LBGA-208-2	
SAF-TC1115L-150EB BB-Step	SP000106541	P-LBGA-208-2	as SAF-TC1115L-100EB, 150-MHz clock frequency, tape & reel
SAF-TC1115L-150EB-G BB-Step	SP000099811	PG-LBGA-208-2	
SAF-TC1130L-100EB BB-Step	SP000099810	P-LBGA-208-2	Industrial communication controller, TriCore™ CPU with 4-stage pipeline, floating point unit, memory management unit, 144-Kbyte on-chip SRAM, fast Ethernet controller with 10/100-Mbit/s, multifunctional general purpose timer unit with three 32-bit timer/counters, two capture and compare unit 6 for PWM signal generation, multiCAN module with four CAN nodes, 100-MHz clock frequency, -40° C to 85° C, tray
SAF-TC1130L-100EB-G BB-Step	SP000106540	PG-LBGA-208-2	as SAF-TC1130L-100EB, tray
SAF-TC1130L-100EB BB-Step	SP000099809	P-LBGA-208-2	as SAF-TC1130L-100EB, tape & reel
SAF-TC1130L-100EB-G BB-Step	SP000106539	PG-LBGA-208-2	
SAF-TC1130L-150EB BB-Step	SP000099808	P-LBGA-208-2	as SAF-TC1130L-100EB, 150-MHz frequency, tray
SAF-TC1130L-150EB-G BB-Step	SP000106538	PG-LBGA-208-2	
SAF-TC1130L-150EB BB-Step	SP000099807	P-LBGA-208-2	as SAF-TC1130L-150EB, tape & reel
SAF-TC1130L-150EB-G BB-Step	SP000106119	PG-LBGA-208-2	

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 32-bit (cont'd)			
▼ SAK-TC1762-128F66HL AC-Step	SP000318060	PG-LQFP-176-1	High performance TriCore™ CPU with 4-stage pipeline 1-Mbyte flash memory, 32-Kbyte local data memory (SRAM), 16-Kbyte data flash (2-Kbyte EEPROM emulation), 8-Kbyte instruction cache, 8-channel DMA controller, one high-speed synchronous serial channel (SSC), one 16-channel A/D converter unit with selectable 8-bit, 10-bit, or 12-bit supporting 32 input channels, on-chip debug support (OCDS level 1 and 2), multiCAN module with two CAN nodes, 66-MHz clock frequency, -40°C to 125°C, tape & reel
▼ SAK-TC1762-128F80HL AC-Step	SP000318061	PG-LQFP-176-1	as SAK-TC1762-128F66HL, 80-MHz clock frequency, tape & reel
▼ SAK-TC1764-128F80HL AB-Step	SP000268495	PG-LQFP-176-1	High performance TriCore™ CPU with 4-stage pipeline 1-Mbyte flash memory, 40-Kbyte local data memory (SRAM), 16-Kbyte data flash (2-Kbyte EEPROM emulation), 8-Kbyte instruction cache, 8-channel DMA controller, two high-speed synchronous serial channel (SSC), one 16-channel A/D converter unit with selectable 8-bit, 10-bit, or 12-bit supporting 32 input channels, on-chip debug support (OCDS level 1 and 2), multiCAN module with two CAN nodes, 80-MHz clock frequency, -40°C to 125°C, tape & reel
▼ SAK-TC1766-192F80HL BD-Step	SP000293788	PG-LQFP-176-1	High performance TriCore™ CPU with 4-stage pipeline 1.5-Mbyte embedded program flash, 32-Kbyte data flash, 76-Kbyte on-chip SRAM, one 32-channel analog-to-digital converter unit with 8-, 10- or 12-bit resolution, general purpose timer array module, two synchronous serial channels with programmable data length and shift direction, 2-channel fast analog-to-digital converter unit, OCDS level 1 and 2, multiCAN module with two CAN nodes, 80-MHz clock frequency, -40°C to 125°C, tape & reel
▼ SAK-TC1792-256F130HL AA-Step	SP000225516	P-BGA 416-4	High performance TriCore™ CPU with 4-stage pipeline 2-Mbyte flash memory, 64-Kbyte data flash, 96-Kbyte data memory, 16-Kbyte instruction cache, 16-channel DMA controller, two high-speed synchronous serial channel (SSC), two 16-channel A/D converter unit with selectable 8-bit, 10-bit, or 12-bit supporting 32 input channels, on-chip debug support (OCDS level 1 and 2), multiCAN module with three CAN nodes, 130-MHz clock frequency, -40°C to 125°C, tape & reel
SAF-TC1796-256F150E BC-Step	SP000064092	P-BGA-416-4	High performance TriCore™ CPU with 4-stage pipeline 2-Mbyte embedded program flash with ECC, 128-Kbyte data flash memory usable for EEPROM emulation, 136-Kbyte data memory, 16-Kbyte instruction cache, 16-channel DMA controller, two 16-channel A/D converter units with selectable 8-bit, 10-bit, or 12-bit resolution, on-chip debug support (OCDS level 1 and 2), multiCAN module with four CAN nodes, 150-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-TC1796-256F150E-G BD-Step	SP000265886	PG-BGA-416-4	as SAF-TC1796-256F150E, BD-Step, tray
SAK-TC1796-256F150E BC-Step	SP000097527	P-BGA-416-4	as SAF-TC1796-256F150E, -40°C to 125°C, tape & reel
SAK-TC1796-256F150E-G BD-Step	SP000228336	PG-BGA-416-4	as SAK-TC1796-256F150E, tray
▼ SAK-TC1796-256F150E BD-Step	SP000103769	P-BGA-416-4	as SAK-TC1796-256F150E, BD-Step, tape & reel
▼ SAK-TC1796-256F150E-G BD-Step	SP000240568	PG-BGA-416-4	

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Microcontrollers, 16/32-bit			
▼ SAK XC2264-56F66L	SP000300114	PG-LQFP-100-2	16/32-bit single-chip microcontroller with 32-bit performance XC2200 family High performance CPU with 5-stage pipeline, 448-Kbyte on-chip program memory, 16-Kbyte on-chip program/data SRAM(PSRAM), 1024 bytes on-chip special function register area (C166 family compatible), programmable watchdog timer and oscillator watchdog, one capture/compare unit (CCU6), 8-channel 10-Bit A/D converter, two Full-CAN nodes, four serial interface channels, 66-MHz clock frequency, -40°C to 125°C, tape & reel
▼ SAK XC2267-56F66L	SP000300104	PG-LQFP-100-2	16/32-bit single-chip microcontroller with 32-bit performance XC2200 family High performance CPU with 5-stage pipeline, 448-Kbyte on-chip program memory, 16-Kbyte on-chip program/data SRAM(PSRAM), 1024 bytes on-chip special function register area (C166 family compatible), programmable watchdog timer and oscillator watchdog, four capture/compare unit (CCU6), 8 + 8-channel 10-Bit A/D converter, five Full-CAN nodes, six serial interface channels, 66-MHz clock frequency, -40°C to 125°C, tape & reel
▼ SAK XC2267-96F66L	SP000250942	PG-LQFP-100-2	as SAK-XC2267-56F66L, 768-Kbyte on-chip program memory (flash memory), 64-Kbyte on-chip program/data SRAM (PSRAM), tape & reel
▼ SAK XC2287-56F66L	SP000300070	PG-LQFP-144-1	16/32-bit single-chip microcontroller with 32-bit performance XC2200 family High performance CPU with 5-stage pipeline, 448-Kbyte on-chip program memory, 16-Kbyte on-chip program/data SRAM(PSRAM), 1024 bytes on-chip special function register area (C166 family compatible), programmable watchdog timer and oscillator watchdog, four capture/compare unit (CCU6), 16+ 8-channel 10-Bit A/D converter, five Full-CAN nodes, six serial interface channels, 66-MHz clock frequency, -40°C to 125°C, tape & reel
▼ SAK XC2287-96F66L	SP000250944	PG-LQFP-144-1	as SAK-XC2287-56F66L, 768-Kbyte on-chip program memory (flash memory), 64-Kbyte on-chip program/data SRAM (PSRAM), tape & reel
▼ SAK XC2766X-96F66L	SP000366063	PG-LQFP-100-2	16/32-bit single-chip microcontroller with 32-bit performance XC2700 family High performance CPU with 5-stage pipeline, 768-Kbyte on-chip program memory, 32-Kbyte on-chip program/data SRAM(PSRAM), 1024 bytes on-chip special function register area (C166 family compatible), programmable watchdog timer and oscillator watchdog, four capture/compare unit (CCU6), 11 + 5-channel 10-Bit A/D converter, two Full-CAN nodes, four serial interface channels, 66-MHz clock frequency, -40°C to 125°C, tape & reel
▼ SAF XC2786X-96F66L	SP000261178	PG-LQFP-144-1	16/32-bit single-chip microcontroller with 32-bit performance XC2700 family High performance CPU with 4-stage pipeline, 768-Kbyte on-chip program memory, 32-Kbyte on-chip program/data SRAM (PSRAM), 1024 bytes on-chip special function register area (C166 family compatible), programmable watchdog timer and oscillator watchdog, four capture/compare unit (CCU6), 16+ 8-channel 10-Bit A/D converter, two Full-CAN nodes, four serial interface channels, 66-MHz clock frequency, -40°C to 85°C, tape & reel

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit			
SAB-C161CS-LF CA-Step	SP000106860	PG-TQFP-128-2	ROMless, 10-Kbyte on-chip SRAM, two on-chip CAN-interfaces (CAN1,CAN2), two 16-channel capture/compare units, 12-channel 10-bit ADC, watchdog timer, oscillator watchdog, additional 32-kHz oscillator, 25-MHz clock frequency, tray
SAB-C161CS-LF CA-Step	SP000106861	PG-TQFP-128-2	as SAB-C161CS-LF, tape & reel
SAF-C161CS-LF	SP000106865	PG-TQFP-128-2	as SAB-C161CS-LF, -40°C to 85°C, tray
SAK-C161CS-LF CA-Step	SP000106868	PG-TQFP-128-2	as SAF-C161CS-LF, -40°C to 125°C, tray
SAK-C161CS-LF CA-Step	SP000106869	PG-TQFP-128-2	as SAF-C161CS-LF, -40°C to 125°C, tape & reel
▼ SAB-C161JC-LF CA-Step	SP000106862	PG-TQFP-128-2	as SAB-C161CS-LF, one on-chip CAN-interface (CAN1), serial data link module J1850 (SDLM), tray
▼ SAB-C161JC-LF CA-Step	SP000106863	PG-TQFP-128-2	as SAB-C161JC-LF, tape & reel
▼ SAB-C161JI-LF CA-Step	SP000106864	PG-TQFP-128-2	as SAB-C161JC-LF, without CAN-interface (CAN1), tape & reel
SAB-C161K-LM HA-Step	SP000011584	PG-MQFP-80-1	ROMless, 1-Kbyte on-chip RAM, one general purpose timer unit with 3 timers, two serial interfaces, 4 fast external interrupt inputs, 4-Mbyte address range, two chip select signals, DMUX bus, additional timer unit with capture input, operating range 5 V, 20-MHz clock frequency, tray
SAB-C161K-LM HA-Step	SP000011585	PG-MQFP-80-1	as SAB-C161K-LM, tape & reel
SAF-C161K-LM HA-Step	SP000011620	PG-MQFP-80-1	as SAB-C161K-LM, -40°C to 85°C, tray
SAF-C161K-LM3V HA-Step	SP000011621	PG-MQFP-80-1	as SAB-C161K-LM, operating range 3 V, -40°C to 85°C, tape & reel
SAB-C161O-LM HA-Step	SP000011586	PG-MQFP-80-1	as SAB-C161K-LM, 2-Kbyte on-chip internal RAM, two general purpose timer units with 5 timers, four chip-select signals, tray
SAB-C161O-LM HA-Step	SP000011587	PG-MQFP-80-1	as SAB-C161O-LM, tape & reel
SAF-C161O-LM HA-Step	SP000011622	PG-MQFP-80-1	as SAB-C161O-LM, -40°C to 85°C, tray
SAF-C161O-LM HA-Step	SP000011623	PG-MQFP-80-1	as SAF-C161O-LM, tape & reel
SAB-C161O-L25M HA-Step	SP000014268	PG-MQFP-80-1	as SAB-C161O-LM, 25-MHz clock frequency, tape & reel
SAF-C161O-L25M HA-Step	SP000014269	PG-MQFP-80-1	as SAB-C161O-L25M, -40°C to 85°C, tape & reel
SAB-C161O-LM3V HA-Step	SP000011588	PG-MQFP-80-1	as SAB-C161O-LM, operating range 3 V, tape & reel
SAF-C161O-LM3V HA-Step	SP000011624	PG-MQFP-80-1	as SAB-C161O-LM3V, -40°C to 85°C, tape & reel

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
SAB-C161PI-LF CA-Step	SP000014344	PG-TQFP-100-1	ROMless, 3-Kbyte RAM, 8-bit ADC, real time clock, general purpose timer units, I ² C Bus, USART, watchdog timer, idle and power down mode, operating range 5 V, 10-bit ADC, 20-MHz clock frequency, tape & reel
SAF-C161PI-LF CA-Step	SP000014359	PG-TQFP-100-1	as SAB-C161PI-LF, -40°C to 85°C, tape & reel
SAB-C161PI-LF3V CA-Step	SP000014360	PG-TQFP-100-1	as SAB-C161PI-LF, operating range 3 V, tape & reel
SAF-C161PI-LF3V CA-Step	SP000014361	PG-TQFP-100-1	as SAB-C161PI-LF 3 V, -40°C to 85°C, tape & reel
SAB-C161PI-L25F CA-Step	SP000014362	PG-TQFP-100-1	as SAB-C161PI-LF, 25-MHz clock frequency, tape & reel
SAF-C161PI-L25F CA-Step	SP000014363	PG-TQFP-100-1	as SAB-C161PI-L25F, -40°C to 85°C, tape & reel
SAB-C161PI-LM CA-Step	SP000014345	PG-MQFP-100-2	as SAB-C161PI-LF, MQFP package, tape & reel
SAF-C161PI-LM CA-Step	SP000014364	PG-MQFP-100-2	as SAB-C161PI-LM, -40°C to 85°C, tape & reel
SAB-C161PI-LM3V CA-Step	SP000014365	PG-MQFP-100-2	as SAB-C161PI-LM, operating range 3 V, tape & reel
SAF-C161PI-LM3V CA-Step	SP000014366	PG-MQFP-100-2	as SAB-C161PI-LM 3V, -40°C to 85°C, tape & reel
SAB-C161PI-L25M CA-Step	SP000014367	PG-MQFP-100-2	as SAB-C161PI-LM, 25-MHz clock frequency, tape & reel
SAF-C161PI-L25M CA-Step	SP000014368	PG-MQFP-100-2	as SAB-C161PI-L25M, -40°C to 85°C, tape & reel
SAB-C161S-L25M AA-Step	SP000014739	PG-MQFP-80-7	as SAB-C161PI-LM, low cost version, 25-MHz clock frequency, tape & reel
SAF-C161S-L25M AA-Step	SP000014947	PG-MQFP-80-7	as SAB-C161S-L25M, -40°C to 85°C, tape & reel
SAB-C161S-LM3V AA-Step	SP000014946	PG-MQFP-80-7	as SAB-C161PI-LM, low cost version, operating range 3 V, tape & reel
SAF-C161S-LM3V AA-Step	SP000014948	PG-MQFP-80-7	as SAB-C161PI-LM, -40°C to 85°C, tape & reel

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit			
(cont'd)			
SAF-XC161CJ-16F20F BB-Step	SP000083663	P-TQFP-144-19	128-Kbyte on-chip program memory (flash memory), 8-Kbyte RAM, programmable watchdog timer, oscillator watchdog, two 16-channel general purpose capture/compare units, TwinCAN module, two Full-CAN nodes, serial data link module (J1850), 12-channel 10-bit A/D converter, 20-MHz clock frequency, -40°C to 85°C, tape & reel
SAF-XC161CJ-16F20F BB-Step	SP000231472	PG-TQFP-144-19	
SAK-XC161CJ-16F20F BB-Step	SP000096148	P-TQFP-144-19	as SAF-XC161CJ-16F20F, -40°C to 125°C, tape & reel
SAK-XC161CJ-16F20F BB-Step	SP000224538	PG-TQFP-144-19	
▼ SAF-XC161CJ-16F40F BB-Step	SP000280516	PG-TQFP-144-19	as SAF-XC161CJ-16F20F, 40-MHz clock frequency, tray
SAF-XC161CJ-16F40F BB-Step	SP000096147	P-TQFP-144-19	as SAF-XC161CJ-16F20F, 40-MHz clock frequency, tape & reel
SAF-XC161CJ-16F40F BB-Step	SP000224537	PG-TQFP-144-19	
SAK-XC161CJ-16F40F BB-Step	SP000083664	P-TQFP-144-19	as SAF-XC161CJ-16F40F, -40°C to 125°C, tape & reel
SAK-XC161CJ-16F40F BB-Step	SP000224540	PG-TQFP-144-19	
SAF-XC161CS-32F20F BB-A-Step	SP000224541	PG-TQFP-144-19	256-Kbyte on-chip program memory (flash memory), 12-Kbyte RAM, programmable watchdog timer, oscillator watchdog, two 16-channel general purpose capture/compare units, TwinCAN module, two Full-CAN nodes, serial data link module (J1850), 20-MHz clock frequency, -40°C to 85°C, tape & reel
SAK-XC161CS-32F20F BB-A-Step	SP000098774	P-TQFP-144-19	as SAF-XC161CS-32F20F, -40°C to 125°C, tape & reel
SAK-XC161CS-32F20F BB-A-Step	SP000224543	PG-TQFP-144-19	
SAF-XC161CS-32F40F BB-A-Step	SP000098773	P-TQFP-144-19	as SAF-XC161CS-32F20F, 40-MHz clock frequency, tape & reel
SAF-XC161CS-32F40F BB-A-Step	SP000224542	PG-TQFP-144-19	
SAK-XC161CS-32F40F BB-A-Step	SP000098775	P-TQFP-144-19	as SAF-XC161CS-32F40F, -40°C to 125°C, tape & reel
SAK-XC161CS-32F40F BB-A-Step	SP000224544	PG-TQFP-144-19	

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit			
(cont'd)			
SAF-C164CI-LM CA+-Step	SP000017582	P-MQFP-80-7	ROMless, 4-Kbyte on-chip static RAM, 10-bit- ADC, real time clock, programmable watchdog timer, oscillator watchdog, idle and power down mode, full CAN-controller (V 2.0 B active), 20-MHz clock frequency, -40°C to 85°C, tape & reel
SAF-C164CI-LM CA+-Step	SP000103495	PG-MQFP-80-7	
SAK-C164CI-LM CA+-Step	SP000017581	P-MQFP-80-7	as SAF-C164CI-LM, -40°C to 125°C, CA-Step, tape & reel
SAK-C164CI-LM CA+-Step	SP000103497	PG-MQFP-80-7	
SAF-C164CI-L25M CA-Step	SP000014436	P-MQFP-80-7	as SAF-C164CI-LM, 25-MHz clock frequency, CA-Step, tape & reel
SAK-C164CI-L25M CA+-Step	SP000059303	P-MQFP-80-7	as SAF-C164CI-L25M, -40°C to 125°C, CA+-Step, tape & reel
SAB-C164CI-LM3V CA+-Step	SP000014439	P-MQFP-80-7	as SAF-C164CI-LM, operating range 3 V, 0°C to 70°C, tape & reel
SAF-C164CI-8EM CB-Step	SP000067718	P-MQFP-80-7	as SAF-C164CI-LM, 64-Kbyte OTP-memory, drive control unit, tray
SAF-C164CI-8EM CB-Step	SP000103498	PG-MQFP-80-7	
SAF-C164CI-8EM CB-Step	SP000067719	P-MQFP-80-7	as SAF-C164CI-8EM, tape & reel
SAF-C164CI-8EM CB-Step	SP000103499	PG-MQFP-80-7	
SAF-C164CI-8EM DB-Step	SP000057429	P-MQFP-80-7	as SAF-C164CI-8EM, DB-Step, tray
SAF-C164CI-8EM DB-Step	SP000104055	PG-MQFP-80-7	
SAF-C164CI-8EM DB-Step	SP000057430	P-MQFP-80-7	as SAF-C164CI-8EM, DB-Step, tape & reel
SAF-C164CI-8EM DB-Step	SP000104056	PG-MQFP-80-7	
SAK-C164CI-8EM CB-Step	SP000057420	P-MQFP-80-7	as SAF-C164CI-8M, -40°C to 125°C, tray
SAK-C164CI-8EM CB-Step	SP000103500	PG-MQFP-80-7	
SAK-C164CI-8EM CB-Step	SP000067720	P-MQFP-80-7	as SAK-C164CI-8EM, tape & reel
SAK-C164CI-8EM CB-Step	SP000103501	PG-MQFP-80-7	
SAK-C164CI-8EM DB-Step	SP000054995	P-MQFP-80-7	as SAK-C164CI-8EM, DB-Step, tray
SAK-C164CI-8EM DB-Step	SP000104059	PG-MQFP-80-7	
SAK-C164CI-8EM DB-Step	SP000057419	P-MQFP-80-7	as SAK-C164CI-8EM, tape & reel
SAK-C164CI-8EM DB-Step	SP000104060	PG-MQFP-80-7	
SAF-C164CI-8E25M DB-Step	SP000057427	P-MQFP-80-7	as SAF-C164CI-8EM, 25-MHz clock frequency, tray
SAF-C164CI-8E25M DB-Step	SP000104053	PG-MQFP-80-7	
SAF-C164CI-8E25M DB-Step	SP000057428	P-MQFP-80-7	as SAF-C164CI-8E25M, tape & reel
SAF-C164CI-8E25M DB-Step	SP000104054	PG-MQFP-80-7	
SAF-C164CI-8E28M DB-Step	SP000106781	P-MQFP-80-7	as SAF-C164CI-8EM, 28-MHz clock frequency, tape & reel
SAK-C164CI-8E25M DB-Step	SP000057431	P-MQFP-80-7	as SAF-C164CI-8E25M, tray
SAK-C164CI-8E25M DB-Step	SP000104057	PG-MQFP-80-7	
SAK-C164CI-8E25M DB-Step	SP000057417	P-MQFP-80-7	as SAK-C164CI-8E25M, tape & reel
SAK-C164CI-8E25M DB-Step	SP000104058	PG-MQFP-80-7	

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
SAF-C164CM-4EF AB-Step	SP000104061	PG-TQFP-64-4	32-Kbyte OTP memory, 2-Kbyte on-chip static RAM, 10-bit ADC, real time clock, programmable watchdog timer, oscillator watchdog, on-chip CAN-interface (V 2.0 B active), drive control unit, 20-MHz clock frequency, -40° C to 85° C, tray
SAF-C164CM-4EF AB-Step	SP000104062	PG-TQFP-64-4	as SAF-C164CM-EF, AB-Step, tape & reel
SAK-C164CM-4EF AB-Step	SP000056829	P-TQFP-64-4	as SAF-C164CM-4EF, -40° C to 125° C, tape & reel
SAK-C164CM-4EF AB-Step	SP000104063	PG-TQFP-64-4	

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
SAF-XC164CM-4F20F AA-Step	SP000203862	PG-TQFP-64-4	32-Kbyte on-chip program memory (flash memory), 2-Kbyte embedded static RAM, programmable watchdog timer, oscillator watchdog, one 16-channel purpose capture/compare units, TwinCAN module, one Full-CAN nodes, 14-channel 10-Bit A/D converter, 20-MHz clock frequency, -40°C to 85°C, tray
SAF-XC164CM-4F20F AA-Step	SP000084408	PG-TQFP-64-4	as SAF-XC164CM-4F20F, tape & reel
SAK-XC164CM-4F20F AA-Step	SP000203866	PG-TQFP-64-4	as SAF-XC164CM-4F20F, -40°C to 125°C, tray
SAK-XC164CM-4F20F AA-Step	SP000084409	PG-TQFP-64-4	as SAK-XC164CM-4F20F, tape & reel
SAF-XC164CM-4F40F AA-Step	SP000203863	PG-TQFP-64-4	as SAF-XC164CM-4F20F, 40-MHz clock frequency, tray
SAF-XC164CM-4F40F AA-Step	SP000084410	PG-TQFP-64-4	as SAF-XC164CM-4F40F, tape & reel
SAK-XC164CM-4F40F AA-Step	SP000203867	PG-TQFP-64-4	as SAF-XC164CM-4F40F, -40°C to 125°C, tray
SAK-XC164CM-4F40F AA-Step	SP000084411	PG-TQFP-64-4	as SAK-XC164CM-4F40F, tape & reel
SAF-XC164CM-8F20F AA-Step	SP000203864	PG-TQFP-64-4	as SAF-XC164CM4F20F, 64-Kbyte on-chip program memory (flash memory), tray
SAF-XC164CM-8F20F AA-Step	SP000065633	PG-TQFP-64-4	as SAF-XC164CM8F20F, tape & reel
SAK-XC164CM-8F20F AA-Step	SP000203868	PG-TQFP-64-4	as SAF-XC164CM-8F20F, -40°C to 125°C, tray
SAK-XC164CM-8F20F AA-Step	SP000065643	PG-TQFP-64-4	as SAK-XC164CM-8F20F, tape & reel
SAF-XC164CM-8F40F AA-Step	SP000203865	PG-TQFP-64-4	as SAF-XC164CM-8F20F, 40-MHz clock frequency, tray
SAF-XC164CM-8F40F AA-Step	SP000065635	PG-TQFP-64-4	as SAF-XC164CM-8F40F, tape & reel
SAK-XC164CM-8F40F AA-Step	SP000203869	PG-TQFP-64-4	as SAF-XC164CM-8F40F, -40°C to 125°C, tray
SAK-XC164CM-8F40F AA-Step	SP000065644	PG-TQFP-64-4	as SAK-XC164CM-8F40F, tape & reel
▼ SAF-XC164CM-16F20F BA-Step	SP000258355	PG-TQFP-64-4	as SAF-XC164CM-8F20F, 128-Kbyte on-chip program memory (flash memory), tray
▼ SAF-XC164CM-16F20F BA-Step	SP000244707	PG-TQFP-64-4	as SAF-XC164CM-16F20F, tape & reel
▼ SAK-XC164CM-16F20F BA-Step	SP000245664	PG-TQFP-64-4	as SAF-XC164CM-16F20F, -40°C to 125°C, tray
▼ SAK-XC164CM-16F20F BA-Step	SP000245661	PG-TQFP-64-4	as SAK-XC164CM-16F20F, tape & reel
▼ SAF-XC164CM-16F40F BA-Step	SP000258356	PG-TQFP-64-4	as SAF-XC164CM-16F20F, 40-MHz clock frequency, tray
▼ SAF-XC164CM-16F40F BA-Step	SP000258385	PG-TQFP-64-4	as SAF-XC164CM-16F40F, tape & reel
▼ SAK-XC164CM-16F40F BA-Step	SP000258408	PG-TQFP-64-4	as SAF-XC164CM-16F40F, -40°C to 125°C, tray
▼ SAK-XC164CM-16F40F BA-Step	SP000258407	PG-TQFP-64-4	as SAK-XC164CM-16F40F, tape & reel
▼ SAK-XC164CR-16F20F BB-Step	SP000205541	P-TQFP-100-16	as SAK-XC164CM-16F20F, without CAN interface, tape & reel

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
SAF-XC164GM-4F20F AA-Step	SP000203871	PG-TQFP-64-4	32-Kbyte on-chip program memory (flash memory), 2-Kbyte embedded static RAM, programmable watchdog timer, oscillator watchdog, TwinCAN module, one Full-CAN nodes, 14-channel 10-Bit A/D converter, 20-MHz clock frequency, -40°C to 85°C, tray
SAF-XC164GM-4F20F AA-Step	SP000105862	PG-TQFP-64-4	as SAF-XC164GM-4F20F, tape & reel
SAF-XC164GM-4F40F AA-Step	SP000203876	PG-TQFP-64-4	as SAF-XC164GM-4F20F, 40-MHz clock frequency, tray
SAF-XC164GM-4F40F AA-Step	SP000105867	PG-TQFP-64-4	as SAF-XC164GM-4F40F, tape & reel
SAF-XC164GM-8F20F AA-Step	SP000203881	PG-TQFP-64-4	as SAF-XC164GM-4F20F, 64-Kbyte on-chip program memory (flash memory), tray
SAF-XC164GM-8F20F AA-Step	SP000105744	PG-TQFP-64-4	as SAF-XC164GM-8F20F, tape & reel
SAF-XC164GM-8F40F AA-Step	SP000203886	PG-TQFP-64-4	as SAF-XC164GM-8F20F, 40-MHz clock frequency, tray
SAF-XC164GM-8F40F AA-Step	SP000105876	PG-TQFP-64-4	as SAF-XC164GM-8F40F, tape & reel
▼ SAF-XC164GM-16F20F BA-Step	SP000258357	PG-LQFP-64-4	as SAF-XC164GM-8F20F, 128-Kbyte on-chip program memory (flash memory), tray
▼ SAF-XC164GM-16F20F BA-Step	SP000244721	PG-LQFP-64-4	as SAF-XC164GM-16F20F, tape & reel
▼ SAF-XC164GM-16F40F BA-Step	SP000258388	PG-LQFP-64-4	as SAF-XC164GM-16F20F, 40-MHz clock frequency, tray
▼ SAF-XC164GM-16F40F BA-Step	SP000258387	PG-LQFP-64-4	as SAF-XC164GM-16F40F, tape & reel
SAF-XC164KM-4F20F AA-Step	SP000203872	PG-TQFP-64-4	32-Kbyte on-chip program memory (flash memory), 2-Kbyte embedded static RAM, programmable watchdog timer, oscillator watchdog, one 16-channel purpose capture/compare units, TwinCAN module, one Full-CAN nodes, 20-MHz clock frequency, -40°C to 85°C, tray
SAF-XC164KM-4F20F AA-Step	SP000105863	PG-TQFP-64-4	as SAF-XC164KM-4F20F, tape & reel
SAF-XC164KM-4F40F AA-Step	SP000203877	PG-TQFP-64-4	as SAF-XC164KM-4F20F, 40-MHz clock frequency, tray
SAF-XC164KM-4F40F AA-Step	SP000105868	PG-TQFP-64-4	as SAF-XC164KM-4F40F, tape & reel
SAF-XC164KM-8F20F AA-Step	SP000203882	PG-TQFP-64-4	as SAF-XC164KM-4F20F, 64-Kbyte on-chip program memory (flash memory), tray
SAF-XC164KM-8F20F AA-Step	SP000105872	PG-TQFP-64-4	as SAF-XC164KM-8F20F, tape & reel
SAF-XC164KM-8F40F AA-Step	SP000203887	PG-TQFP-64-4	as SAF-XC164KM-8F20F, 40-MHz clock frequency, tray
SAF-XC164KM-8F40F AA-Step	SP000105877	PG-TQFP-64-4	as SAF-XC164KM-8F40F, tape & reel
▼ SAF-XC164KM-16F20F BA-Step	SP000258358	PG-LQFP-64-4	as SAF-XC164KM-8F20F, 128-Kbyte on-chip program memory (flash memory), tray
▼ SAF-XC164KM-16F20F BA-Step	SP000244722	PG-LQFP-64-4	as SAF-XC164KM-16F20F, tape & reel
▼ SAF-XC164KM-16F40F BA-Step	SP000258390	PG-LQFP-64-4	as SAF-XC164KM-16F20F, 40-MHz clock frequency, tray
▼ SAF-XC164KM-16F40F BA-Step	SP000258389	PG-LQFP-64-4	as SAF-XC164KM-16F40F, tape & reel

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
SAF-XC164LM-4F20F AA-Step	SP000203873	PG-TQFP-64-4	32-Kbyte on-chip program memory (flash memory), 2-Kbyte embedded static RAM, programmable watchdog timer, oscillator watchdog, 20-MHz clock frequency, -40°C to 85°C, tray
SAF-XC164LM-4F20F AA-Step	SP000105864	PG-TQFP-64-4	as SAF-XC164LM-4F20F, tape & reel
SAF-XC164LM-4F40F AA-Step	SP000203878	PG-TQFP-64-4	as SAF-XC164LM-4F20F, 40-MHz clock frequency, tray
SAF-XC164LM-4F40F AA-Step	SP000105869	PG-TQFP-64-4	as SAF-XC164LM-4F40F, tape & reel
SAF-XC164LM-8F20F AA-Step	SP000203883	PG-TQFP-64-4	as SAF-XC164LM-4F20F, 64-Kbyte on-chip program memory (flash memory), tray
SAF-XC164LM-8F20F AA-Step	SP000105873	PG-TQFP-64-4	as SAF-XC164LM-8F20F, tape & reel
SAF-XC164LM-8F40F AA-Step	SP000203888	PG-TQFP-64-4	as SAF-XC164LM-8F20F, 40-MHz clock frequency, tray
SAF-XC164LM-8F40F AA-Step	SP000105878	PG-TQFP-64-4	as SAF-XC164LM-8F40F, tape & reel
▼ SAF-XC164LM-16F20F BA-Step	SP000258381	PG-LQFP-64-4	as SAF-XC164LM-8F20F, 128-Kbyte on-chip program memory (flash memory), tray
▼ SAF-XC164LM-16F20F BA-Step	SP000244723	PG-LQFP-64-4	as SAF-XC164LM-16F20F, tape & reel
▼ SAF-XC164LM-16F40F BA-Step	SP000258392	PG-LQFP-64-4	as SAF-XC164LM-16F20F, 40-MHz clock frequency, tray
▼ SAF-XC164LM-16F40F BA-Step	SP000258391	PG-LQFP-64-4	as SAF-XC164LM-16F40F, tape & reel
SAF-XC164SM-4F20F AA-Step	SP000203874	PG-TQFP-64-4	32-Kbyte on-chip program memory (flash memory), 2-Kbyte embedded static RAM, programmable watchdog timer, oscillator watchdog, one 16-channel purpose capture/compare units, 14-channel 10-Bit A/D converter, 20-MHz clock frequency, -40°C to 85°C, tray
SAF-XC164SM-4F20F AA-Step	SP000105865	PG-TQFP-64-4	as SAF-XC164SM-4F20F, tape & reel
SAF-XC164SM-4F40F AA-Step	SP000203879	PG-TQFP-64-4	as SAF-XC164SM-4F20F, 40-MHz clock frequency, tray
SAF-XC164SM-4F40F AA-Step	SP000105870	PG-TQFP-64-4	as SAF-XC164SM-4F40F, tape & reel
SAF-XC164SM-8F20F AA-Step	SP000203884	PG-TQFP-64-4	as SAF-XC164SM-4F20F, 64-Kbyte on-chip program memory (flash memory), tray
SAF-XC164SM-8F20F AA-Step	SP000105874	PG-TQFP-64-4	as SAF-XC164SM-8F20F, tape & reel
SAF-XC164SM-8F40F AA-Step	SP000203889	PG-TQFP-64-4	as SAF-XC164SM-8F20F, 40-MHz clock frequency, tray
SAF-XC164SM-8F40F AA-Step	SP000105879	PG-TQFP-64-4	as SAF-XC164SM-8F40F, tape & reel
▼ SAF-XC164SM-16F20F BA-Step	SP000258382	PG-LQFP-64-4	as SAF-XC164SM-8F20F, 128-Kbyte on-chip program memory (flash memory), tray
▼ SAF-XC164SM-16F20F BA-Step	SP000244724	PG-LQFP-64-4	as SAF-XC164SM-16F20F, tape & reel
▼ SAF-XC164SM-16F40F BA-Step	SP000258394	PG-LQFP-64-4	as SAF-XC164SM-16F20F, 40-MHz clock frequency, tray
▼ SAF-XC164SM-16F40F BA-Step	SP000258393	PG-LQFP-64-4	as SAF-XC164SM-16F40F, tape & reel

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
SAF-XC164TM-4F20F AA-Step	SP000203875	PG-TQFP-64-4	32-Kbyte on-chip program memory (flash memory), 2-Kbyte embedded static RAM, programmable watchdog timer, oscillator watchdog, 14-channel 10-Bit A/D converter, 20-MHz clock frequency, -40°C to 85°C, tray
SAF-XC164TM-4F20F AA-Step	SP000105866	PG-TQFP-64-4	as SAF-XC164TM-4F20F, tape & reel
SAF-XC164TM-4F40F AA-Step	SP000203880	PG-TQFP-64-4	as SAF-XC164TM-4F20F, 40-MHz clock frequency, tray
SAF-XC164TM-4F40F AA-Step	SP000105871	PG-TQFP-64-4	as SAF-XC164TM-4F40F, tape & reel
SAF-XC164TM-8F20F AA-Step	SP000203885	PG-TQFP-64-4	as SAF-XC164TM-4F20F, 64-Kbyte on-chip program memory (flash memory), tray
SAF-XC164TM-8F20F AA-Step	SP000105875	PG-TQFP-64-4	as SAF-XC164TM-8F20F, tape & reel
SAF-XC164TM-8F40F AA-Step	SP000203890	PG-TQFP-64-4	as SAF-XC164TM-8F20F, 40-MHz clock frequency, tray
SAF-XC164TM-8F40F AA-Step	SP000105880	PG-TQFP-64-4	as SAF-XC164TM-8F40F, tape & reel
▼ SAF-XC164TM-16F20F BA-Step	SP000258383	PG-LQFP-64-4	as SAF-XC164TM-8F20F, 128-Kbyte on-chip program memory (flash memory), tray
▼ SAF-XC164TM-16F20F BA-Step	SP000244725	PG-LQFP-64-4	as SAF-XC164TM-16F20F, tape & reel
▼ SAF-XC164TM-16F40F BA-Step	SP000258396	PG-LQFP-64-4	as SAF-XC164TM-16F20F, 40-MHz clock frequency, tray
▼ SAF-XC164TM-16F40F BA-Step	SP000258395	PG-LQFP-64-4	as SAF-XC164TM-16F40F, tape & reel

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
SAF-XC164CS-8F20F BB-Step	SP000094524	P-TQFP-100-16	64-Kbyte on-chip program memory (flash memory), 6-Kbyte embedded static RAM, programmable watchdog timer, oscillator watchdog, two 16-channel purpose capture/compare units, TwinCAN module, two Full-CAN nodes, 14-channel 10-bit A/D converter, 20-MHz clock frequency, -40°C to 85°C, tray
SAF-XC164CS-8F20F BB-Step	SP000224555	PG-TQFP-100-16	
SAF-XC164CS-8F20F BB-Step	SP000094523	P-TQFP-100-16	as SAF-XC164CS-8F20F, tape & reel
SAF-XC164CS-8F20F BB-Step	SP000224554	PG-TQFP-100-16	
SAK-XC164CS-8F20F BB-Step	SP000224563	PG-TQFP-100-16	as SAF-XC164CS-8F20F, -40°C to 125°C, tray
SAK-XC164CS-8F20F BB-Step	SP000096145	P-TQFP-100-16	as SAK-XC164CS-8F20F, tape & reel
SAK-XC164CS-8F20F BB-Step	SP000224562	PG-TQFP-100-16	
SAF-XC164CS-8F40F BB-Step	SP000094526	P-TQFP-100-16	as SAF-XC164CS-8F20F, 40-MHz clock frequency, tray
SAF-XC164CS-8F40F BB-Step	SP000224557	PG-TQFP-100-16	
SAF-XC164CS-8F40F BB-Step	SP000094525	P-TQFP-100-16	as SAF-XC164CS-8F40F, tape & reel
SAF-XC164CS-8F40F BB-Step	SP000224556	PG-TQFP-100-16	
SAK-XC164CS-8F40F BB-Step	SP000224565	PG-TQFP-100-16	as SAF-XC164CS-8F40F, -40°C to 125°C, tray
SAK-XC164CS-8F40F BB-Step	SP000096146	P-TQFP-100-16	as SAK-XC164CS-8F40F, tape & reel
SAK-XC164CS-8F40F BB-Step	SP000224564	PG-TQFP-100-16	
SAF-XC164CS-16F20F BB-Step	SP000094305	P-TQFP-100-16	as SAF-XC164CS-8F20F, 128-Kbyte on-chip program memory (flash memory), tray
SAF-XC164CS-16F20F BB-Step	SP000224551	PG-TQFP-100-16	
SAF-XC164CS-16F20F BB-Step	SP000092085	P-TQFP-100-16	as SAF-XC164CS-16F20F, tape & reel
▼ SAF-XC164CS-16F20F BB-Step	SP000224550	PG-TQFP-100-16	
SAK-XC164CS-16F20F BB-Step	SP000224559	PG-TQFP-100-16	as SAF-XC164CS-16F20F, -40°C to 125°C, tray
SAK-XC164CS-16F20F BB-Step	SP000094533	P-TQFP-100-16	as SAK-XC164CS-16F20F, tape & reel
SAK-XC164CS-16F20F BB-Step	SP000224558	PG-TQFP-100-16	
SAF-XC164CS-16F40F BB-Step	SP000094313	P-TQFP-100-16	as SAF-XC164CS-16F20F, 40-MHz clock frequency, tray
SAF-XC164CS-16F40F BB-Step	SP000224553	PG-TQFP-100-16	
SAF-XC164CS-16F40F BB-Step	SP000094312	P-TQFP-100-16	as SAF-XC164CS-16F40F, tape & reel
SAF-XC164CS-16F40F BB-Step	SP000224552	PG-TQFP-100-16	

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit			
(cont'd)			
SAK-XC164CS-16F40F BB-Step	SP000224561	PG-TQFP-100-16	as SAF-XC164CS-16F40F, -40°C to 125°C, tray
SAK-XC164CS-16F40F BB-Step	SP000083674	P-TQFP-100-16	as SAK-XC164CS-16F40F, tape & reel
SAK-XC164CS-16F40F BB-Step	SP000224560	PG-TQFP-100-16	
SAF-XC164CS-32F20F BB-A-Step	SP000224591	PG-TQFP-100-16	as SAF-XC164CS-16F20F, 256-Kbyte on-chip program memory (flash memory), 12-Kbyte RAM, tray
SAF-XC164CS-32F20F BB-A-Step	SP000098787	P-TQFP-100-16	as SAF-XC164CS-32F20F, tape & reel
SAF-XC164CS-32F20F BB-A-Step	SP000224590	PG-TQFP-100-16	
SAK-XC164CS-32F20F BB-A-Step	SP000224595	PG-TQFP-100-16	as SAF-XC164CS-32F20F, -40°C to 125°C, tray
SAK-XC164CS-32F20F BB-A-Step	SP000222564	P-TQFP-100-16	as SAK-XC164CS-32F20F, tape & reel
SAK-XC164CS-32F20F BB-A-Step	SP000224594	PG-TQFP-100-16	
SAF-XC164CS-32F40F BB-A-Step	SP000224593	PG-TQFP-100-16	as SAF-XC164CS-32F20F, 40-MHz clock frequency, tray
SAF-XC164CS-32F40F BB-A-Step	SP000222960	P-TQFP-100-16	as SAF-XC164CS-32F40F, tape & reel
SAF-XC164CS-32F40F BB-A-Step	SP000224592	PG-TQFP-100-16	
SAK-XC164CS-32F40F BB-A-Step	SP000224597	PG-TQFP-100-16	as SAF-XC164CS-32F40F, -40°C to 125°C, tray
SAK-XC164CS-32F40F BB-A-Step	SP000087332	P-TQFP-100-16	as SAK-XC164CS-32F40F, tape & reel
SAK-XC164CS-32F40F BB-A-Step	SP000224596	PG-TQFP-100-16	

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
SAF-XC164S-8F20F BB-Step	SP000094520	P-TQFP-100-16	64-Kbyte on-chip program memory (flash memory), 6-Kbyte embedded static RAM, programmable watchdog timer, oscillator watchdog, two 16-channel purpose capture/compare units, 14-channel 10-bit A/D converter, two Full-CAN nodes, CAPCOM6E module, power saving modes, 20-MHz clock frequency, -40°C to 85°C, tray
SAF-XC164S-8F20F BB-Step	SP000224579	PG-TQFP-100-16	
SAF-XC164S-8F20F BB-Step	SP000094519	P-TQFP-100-16	as SAF-XC164S-8F20F, tape & reel
SAF-XC164S-8F20F BB-Step	SP000224578	PG-TQFP-100-16	
SAF-XC164S-8F40F BB-Step	SP000094522	P-TQFP-100-16	as SAF-XC164S-8F20F, 40-MHz clock frequency, tray
SAF-XC164S-8F40F BB-Step	SP000224585	PG-TQFP-100-16	
SAF-XC164S-8F40F BB-Step	SP000094521	P-TQFP-100-16	as SAF-XC164S-8F40F, tape & reel
SAF-XC164S-8F40F BB-Step	SP000224584	PG-TQFP-100-16	
SAF-XC164S-16F20F BB-Step	SP000224567	PG-TQFP-100-16	as SAF-XC164S-8F20F, 128-Kbyte on-chip program memory (flash memory), tray
SAF-XC164S-16F20F BB-Step	SP000094296	P-TQFP-100-16	as SAF-XC164S-16F20F, tape & reel
SAF-XC164S-16F20F BB-Step	SP000224566	PG-TQFP-100-16	
SAF-XC164S-16F40F BB-Step	SP000224577	PG-TQFP-100-16	as SAF-XC164S-16F20F, 40-MHz clock frequency, tray
SAF-XC164S-16F40F BB-Step	SP000094303	P-TQFP-100-16	as SAF-XC164S-16F40F, tape & reel
SAF-XC164S-16F40F BB-Step	SP000224576	PG-TQFP-100-16	
▼ SAF-XC164S-32F20F BB-Step	SP000096144	P-TQFP-100-16	as SAF-XC164S-16F20F, 256-Kbyte on-chip program memory (flash memory), tape & reel
▼ SAF-XC164S-32F20F BB-Step	SP000277076	PG-TQFP-100-16	
▼ SAF-XC164S-32F40F BB-Step	SP000088754	P-TQFP-100-16	as SAF-XC164S-32F20F, 40-MHz clock frequency, tape & reel
▼ SAF-XC164S-32F40F BB-Step	SP000277081	PG-TQFP-100-16	

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
SAF-XC164D-8F20F BB-Step	SP000094511	P-TQFP-100-16	64-Kbyte on-chip program memory (flash memory), 6-Kbyte embedded static RAM, programmable watchdog timer, oscillator watchdog, two 16-channel purpose capture/compare units, TwinCAN module, two Full-CAN nodes, CAPCOM6E module, power saving modes, 20-MHz clock frequency, -40°C to 85°C, tray
SAF-XC164D-8F20F BB-Step	SP000224581	PG-TQFP-100-16	
SAF-XC164D-8F20F BB-Step	SP000094510	P-TQFP-100-16	as SAF-XC164D-8F20F, tape & reel
SAF-XC164D-8F20F BB-Step	SP000224580	PG-TQFP-100-16	
SAF-XC164D-8F40F BB-Step	SP000094513	P-TQFP-100-16	as SAF-XC164D-8F20F, 40-MHz clock frequency, tray
SAF-XC164D-8F40F BB-Step	SP000224587	PG-TQFP-100-16	
SAF-XC164D-8F40F BB-Step	SP000094512	P-TQFP-100-16	as SAF-XC164D-8F40F, tape & reel
SAF-XC164D-8F40F BB-Step	SP000224586	PG-TQFP-100-16	
SAF-XC164D-16F20F BB-Step	SP000224569	PG-TQFP-100-16	as SAF-XC164D-8F20F, 128-Kbyte on-chip program memory (flash memory), tray
SAF-XC164D-16F20F BB-Step	SP000224568	PG-TQFP-100-16	as SAF-XC164D-16F20F, tape & reel
SAF-XC164D-16F40F BB-Step	SP000224573	PG-TQFP-100-16	as SAF-XC164D-16F20F, 40-MHz clock frequency, tray
SAF-XC164D-16F40F BB-Step	SP000224572	PG-TQFP-100-16	as SAF-XC164D-16F40F, tape & reel
▼ SAF-XC164D-32F20F BB-Step	SP000096142	P-TQFP-100-16	as SAF-XC164D-16F20F, 256-Kbyte on-chip program memory (flash memory), tape & reel
▼ SAF-XC164D-32F20F BB-Step	SP000277074	PG-TQFP-100-16	
▼ SAF-XC164D-32F40F BB-Step	SP000088749	P-TQFP-100-16	as SAF-XC164D-32F20F, 40-MHz clock frequency, tape & reel
▼ SAF-XC164D-32F40F BB-Step	SP000277077	PG-TQFP-100-16	

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
SAF-XC164N-8F20F BB-Step	SP000094515	P-TQFP-100-16	64-Kbyte on-chip program memory (flash memory), 6-Kbyte embedded static RAM, programmable watchdog timer, oscillator watchdog, two 16-channel purpose capture/compare units, two Full-CAN nodes, CAPCOM6E module, power saving modes, 20-MHz clock frequency, -40°C to 85°C, tray
SAF-XC164N-8F20F BB-Step	SP000224583	PG-TQFP-100-16	
SAF-XC164N-8F20F BB-Step	SP000094514	P-TQFP-100-16	as SAF-XC164N-8F20F, tape & reel
SAF-XC164N-8F20F BB-Step	SP000224582	PG-TQFP-100-16	
SAF-XC164N-8F40F BB-Step	SP000094518	P-TQFP-100-16	as SAF-XC164N-8F40F, 40-MHz clock frequency, tray
SAF-XC164N-8F40F BB-Step	SP000224589	PG-TQFP-100-16	
SAF-XC164N-8F40F BB-Step	SP000094517	P-TQFP-100-16	as SAF-XC164N-8F40F, tape & reel
SAF-XC164N-8F40F BB-Step	SP000224588	PG-TQFP-100-16	
SAF-XC164N-16F20F BB-Step	SP000224571	PG-TQFP-100-16	as SAF-XC164N-8F20F, 128-Kbyte on-chip program memory (flash memory), tray
SAF-XC164N-16F20F BB-Step	SP000224570	PG-TQFP-100-16	as SAF-XC164N-16F20F, tape & reel
SAF-XC164N-16F40F BB-Step	SP000224575	PG-TQFP-100-16	as SAF-XC164N-16F40F, 40-MHz clock frequency, tray
SAF-XC164N-16F40F BB-Step	SP000224574	PG-TQFP-100-16	as SAF-XC164N-16F40F, tape & reel
▼ SAF-XC164N-32F20F BB-Step	SP000096143	P-TQFP-100-16	as SAF-XC164N-16F20F, 256-Kbyte on-chip program memory (flash memory), tape & reel
▼ SAF-XC164N-32F20F BB-Step	SP000277075	PG-TQFP-100-16	
▼ SAF-XC164N-32F40F BB-Step	SP000277080	PG-TQFP-100-16	as SAF-XC164N-32F20F, 40-MHz clock frequency, tape & reel

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
▼ SAF-XE164F-24F66L AB-Step	SP000363794	PG-LQFP-100-2	Real time signal controller 192-Kbyte on-chip program memory (flash memory), 10-Kbyte on-chip program/data SRAM (PSRAM), programmable watchdog timer, oscillator watchdog, one 16-channel purpose capture/compare units (CAPCOM2), three capture/compare unit (CCU6), 11 + 5-channel 10-Bit A/D converter, four Full-CAN nodes, six serial interface channels, 66-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-XE164F-24F66L AB-Step	SP000363793	PG-LQFP-100-2	as SAF-XE164F-24F66L, tape & reel
▼ SAF-XE164F-48F66L AB-Step	SP000363785	PG-LQFP-100-2	as SAF-XE164F-24F66L, 384-Kbyte on-chip program memory (flash memory), 16-Kbyte on-chip program/data SRAM (PSRAM), tray
▼ SAF-XE164F-48F66L AB-Step	SP000363784	PG-LQFP-100-2	as SAF-XE164F-48F66L, tape & reel
▼ SAF-XE164F-72F66L AB-Step	SP000363775	PG-LQFP-100-2	as SAF-XE164F-24F66L, 576-Kbyte on-chip program memory (flash memory), 32-Kbyte on-chip program/data SRAM (PSRAM), tray
▼ SAF-XE164F-72F66L AB-Step	SP000363774	PG-LQFP-100-2	as SAF-XE164F-72F66L, tape & reel
▼ SAF-XE164F-96F66L AB-Step	SP000363762	PG-LQFP-100-2	as SAF-XE164F-24F66L, 768-Kbyte on-chip program memory (flash memory), 64-Kbyte on-chip program/data SRAM (PSRAM), tray
▼ SAF-XE164F-96F66L AB-Step	SP000363761	PG-LQFP-100-2	as SAF-XE164F-96F66L, tape & reel
▼ SAF-XE164G-24F66L AB-Step	SP000363797	PG-LQFP-100-2	Real time signal controller 192-Kbyte on-chip program memory (flash memory), 10-Kbyte on-chip program/data SRAM (PSRAM), programmable watchdog timer, oscillator watchdog, one 16-channel purpose capture/compare units (CAPCOM2), one capture/compare unit (CCU6) 6+ 5-channel 10-Bit A/D converter, two Full-CAN nodes, four serial interface channels, 66-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-XE164G-24F66L AB-Step	SP000363795	PG-LQFP-100-2	as SAF-XE164G-24F66L, tape & reel
▼ SAF-XE164G-48F66L AB-Step	SP000363787	PG-LQFP-100-2	as SAF-XE164G-24F66L, 384-Kbyte on-chip program memory (flash memory), 16-Kbyte on-chip program/data SRAM (PSRAM), tray
▼ SAF-XE164G-48F66L AB-Step	SP000363786	PG-LQFP-100-2	as SAF-XE164G-48F66L, tape & reel
▼ SAF-XE164G-72F66L AB-Step	SP000363778	PG-LQFP-100-2	as SAF-XE164G-24F66L, 576-Kbyte on-chip program memory (flash memory), 32-Kbyte on-chip program/data SRAM (PSRAM), tray
▼ SAF-XE164G-72F66L AB-Step	SP000363777	PG-LQFP-100-2	as SAF-XE164G-72F66L, tape & reel
▼ SAF-XE164G-96F66L AB-Step	SP000363764	PG-LQFP-100-2	as SAF-XE164G-24F66L, 768-Kbyte on-chip program memory (flash memory), 64-Kbyte on-chip program/data SRAM (PSRAM), tray
▼ SAF-XE164G-96F66L AB-Step	SP000363763	PG-LQFP-100-2	as SAF-XE164G-96F66L, tape & reel

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
▼ SAF-XE164H-24F66L AB-Step	SP000363799	PG-LQFP-100-2	Real time signal controller 192-Kbyte on-chip program memory (flash memory), 10-Kbyte on-chip program/data SRAM (PSRAM), programmable watchdog timer, oscillator watchdog, one 16-channel purpose capture/ compare units (CAPCOM2), three capture/compare unit (CCU6) 11 + 5-channel 10-Bit A/D converter, no Full-CAN node, six serial interface channels, 66-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-XE164H-24F66L AB-Step	SP000363798	PG-LQFP-100-2	as SAF-XE164H-24F66L, tape & reel
▼ SAF-XE164H-48F66L AB-Step	SP000363789	PG-LQFP-100-2	as SAF-XE164H-24F66L, 384-Kbyte on-chip program memory (flash memory), 16-Kbyte on-chip program/data SRAM (PSRAM), tray
▼ SAF-XE164H-48F66L AB-Step	SP000363788	PG-LQFP-100-2	as SAF-XE164H-48F66L, tape & reel
▼ SAF-XE164H-72F66L AB-Step	SP000363780	PG-LQFP-100-2	as SAF-XE164H-24F66L, 576-Kbyte on-chip program memory (flash memory), 32-Kbyte on-chip program/data SRAM (PSRAM), tray
▼ SAF-XE164H-72F66L AB-Step	SP000363779	PG-LQFP-100-2	as SAF-XE164H-72F66L, tape & reel
▼ SAF-XE164H-96F66L AB-Step	SP000363766	PG-LQFP-100-2	as SAF-XE164H-24F66L, 768-Kbyte on-chip program memory (flash memory), 64-Kbyte on-chip program/data SRAM (PSRAM), tray
▼ SAF-XE164H-96F66L AB-Step	SP000363765	PG-LQFP-100-2	as SAF-XE164H-96F66L, tape & reel
▼ SAF-XE164K-24F66L AB-Step	SP000363801	PG-LQFP-100-2	Real time signal controller 192-Kbyte on-chip program memory (flash memory), 10-Kbyte on-chip program/data SRAM (PSRAM), programmable watchdog timer, oscillator watchdog, one 16-channel purpose capture/ compare units (CAPCOM2), one capture/compare unit (CCU6) 6 + 5-channel 10-Bit A/D converter, no Full-CAN node, four serial interface channels, 66-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-XE164K-24F66L AB-Step	SP000363800	PG-LQFP-100-2	as SAF-XE164K-24F66L, tape & reel
▼ SAF-XE164K-48F66L AB-Step	SP000363791	PG-LQFP-100-2	as SAF-XE164K-24F66L, 384-Kbyte on-chip program memory (flash memory), 16-Kbyte on-chip program/data SRAM (PSRAM), tray
▼ SAF-XE164K-48F66L AB-Step	SP000363790	PG-LQFP-100-2	as SAF-XE164K-48F66L, tape & reel
▼ SAF-XE164K-72F66L AB-Step	SP000363782	PG-LQFP-100-2	as SAF-XE164K-24F66L, 576-Kbyte on-chip program memory (flash memory), 32-Kbyte on-chip program/data SRAM (PSRAM), tray
▼ SAF-XE164K-72F66L AB-Step	SP000363781	PG-LQFP-100-2	as SAF-XE164K-72F66L, tape & reel
▼ SAF-XE164K-96F66L AB-Step	SP000363771	PG-LQFP-100-2	as SAF-XE164K-24F66L, 768-Kbyte on-chip program memory (flash memory), 64-Kbyte on-chip program/data SRAM (PSRAM), tray
▼ SAF-XE164K-96F66L AB-Step	SP000363770	PG-LQFP-100-2	as SAF-XE164K-96F66L, tape & reel

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit			
(cont'd)			
SAB-C165-LF HA-Step	SP000011595	PG-TQFP-100-1	as SAB-C165-LM, P-TQFP package, operating range 5 V, tray
SAB-C165-LF HA-Step	SP000011596	PG-TQFP-100-1	as SAB-C165-LF, tape & reel
SAF-C165-LF HA-Step	SP000011631	PG-TQFP-100-1	as SAB-C165-LF, -40°C to 85°C, tape & reel
SAB-C165-LF3V HA-Step	SP000011597	PG-TQFP-100-1	as SAB-C165-LF, operating range 3 V, tape & reel
SAF-C165-LF3V HA-Step	SP000011632	PG-TQFP-100-1	as SAB-C165-LF3V, -40°C to 85°C, tape & reel
SAB-C165-L25F HA-Step	SP000011591	PG-TQFP-100-1	as SAB-C165-LF, 25-MHz clock frequency, tray
SAB-C165-L25F HA-Step	SP000011592	PG-TQFP-100-1	as SAB-C165-LF, tape & reel
SAF-C165-L25F HA-Step	SP000012870	PG-TQFP-100-1	as SAB-C165-L25F, -40°C to 85°C, tape & reel
SAB-C165-LM HA-Step	SP000011598	PG-MQFP-100-2	ROMless, 2-Kbyte RAM, MCU-Core, compatible with SAB 80C166, additional 8 fast ext. interrupt inputs, 16-Mbyte address range, watchdog timer, 2 complex timer units, 2 serial interfaces, operating range 5 V, 20-MHz clock frequency, tray
SAB-C165-LM HA-Step	SP000011599	PG-MQFP-100-2	as SAB-C165-LM, tape & reel
SAF-C165-LM HA-Step	SP000011633	PG-MQFP-100-2	as SAB-C165-LM, -40°C to 85°C, tray
SAF-C165-LM HA-Step	SP000011634	PG-MQFP-100-2	as SAF-C165-LM, tape & reel
SAB-C165-LM3V HA-Step	SP000011600	PG-MQFP-100-2	as SAB-C165-LM, operating range 3 V, tape & reel
SAF-C165-LM3V HA-Step	SP000011635	PG-MQFP-100-2	as SAB-C165-LM3V, -40°C to 85°C, tape & reel
SAB-C165-L25M HA-Step	SP000011593	PG-MQFP-100-2	as SAB-C165-LM, 25-MHz clock frequency, tray
SAB-C165-L25M HA-Step	SP000011594	PG-MQFP-100-2	as SAB-C165-LM, tape & reel
SAF-C165-L25M HA-Step	SP000011629	PG-MQFP-100-2	as SAB-C165-L25M, -40°C to 85°C, tray
SAF-C165-L25M HA-Step	SP000011630	PG-MQFP-100-2	as SAB-C165-LM, tape & reel

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
SAB-C167CR-LM HA+-Step	SP000017976	P-MQFP-144-6	ROMless, 2 × 2-Kbyte RAM, MCU-Core, compatible with SAB 80C166, 10-bit A/D converter, PWM unit, additional 8 fast ext. interrupt inputs, 16-Mbyte address range, watchdog timer, 2 complex timer units, two capture/compare units (32 registers, 4 timers), additional I/O lines, 2 serial interfaces, with CAN, with PLL, 20-MHz clock frequency, tray
SAB-C167CR-LM HA+-Step	SP000103462	PG-MQFP-144-6	as SAB-C167CR-LM, tray
SAB-C167CR-LM HA+-Step	SP000017975	P-MQFP-144-6	as SAB-C167CR-LM, HA+-Step, tape & reel
SAB-C167CR-LM HA+-Step	SP000103463	PG-MQFP-144-6	as SAB-C167CR-LM, tape & reel
SAF-C167CR-LM HA+-Step	SP000016759	P-MQFP-144-6	as SAF-C167CR-LM, HA+-Step, tray
SAF-C167CR-LM HA+-Step	SP000103464	PG-MQFP-144-6	as SAF-C167CR-LM, tray
SAF-C167CR-LM HA+-Step	SP000017995	P-MQFP-144-6	as SAF-C167CR-LM, HA+-Step, tape & reel
SAF-C167CR-LM HA+-Step	SP000103465	PG-MQFP-144-6	as SAF-C167CR-LM, tape & reel
SAK-C167CR-LM HA+-Step	SP000016753	P-MQFP-144-6	as SAK-C167CR-LM, HA+-Step, tray
SAK-C167CR-LM HA+-Step	SP000103466	PG-MQFP-144-6	as SAK-C167CR-LM, HA+-Step, tray
SAK-C167CR-LM HA+-Step	SP000016521	P-MQFP-144-6	as SAK-C167CR-LM, HA+-Step, tape & reel
SAK-C167CR-LM HA+-Step	SP000103467	PG-MQFP-144-6	as SAK-C167CR-LM, HA+-Step, tape & reel
SAK-C167CR-L33M HA+-Step	SP000017997	P-MQFP-144-6	as SAK-C167CR-L33M, HA+-Step, tray
SAK-C167CR-L33M HA+-Step	SP000103460	PG-MQFP-144-6	as SAK-C167CR-L33M, HA+-Step, tray
SAK-C167CR-L33M HA+-Step	SP000017993	P-MQFP-144-6	as SAK-C167CR-L33M, HA+-Step, tape & reel
SAK-C167CR-L33M HA+-Step	SP000103461	PG-MQFP-144-6	as SAK-C167CR-L33M, HA+-Step, tape & reel
SAB-C167CR-16RM HA+-Step	SP000083849	P-MQFP-144-6	as SAB-C167CR-LM, 128-Kbyte ROM, tape & reel
SAK-C167CR-16RM HA+-Step	SP000065652	P-MQFP-144-6	as SAB-C167CR-16RM, -40°C to 125°C, tape & reel

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
SAB-C167CS-LM CA+-Step	SP000067513	P-MQFP-144-6	as SAB-C167CR-LM, two on-chip CAN-interfaces, tray
SAB-C167CS-LM CA+-Step	SP000103483	PG-MQFP-144-6	
SAB-C167CS-LM CA+-Step	SP000017996	P-MQFP-144-6	as SAB-C167CS-LM, tape & reel
SAB-C167CS-LM CA+-Step	SP000103484	PG-MQFP-144-6	as SAB-C167CS-LM, tape & reel
SAF-C167CS-LM CA+-Step	SP000103487	PG-MQFP-144-6	as SAB-C167CS-LM, -40°C to 85°C, tray
SAF-C167CS-LM CA+-Step	SP000017992	P-MQFP-144-6	as SAF-C167CS-LM, tape & reel
SAF-C167CS-LM CA+-Step	SP000103488	PG-MQFP-144-6	
SAK-C167CS-LM CA+-Step	SP000016750	P-MQFP-144-6	as SAB-C167CS-LM, -40°C to 125°C, tray
SAK-C167CS-LM CA+-Step	SP000103492	PG-MQFP-144-6	
SAK-C167CS-LM CA+-Step	SP000016504	P-MQFP-144-6	as SAK-C167CS-LM, tape & reel
SAK-C167CS-LM CA+-Step	SP000103493	PG-MQFP-144-6	
SAF-C167CS-L16M3V CA+-Step	SP000103469	PG-MQFP-144-6	as SAB-C167CS-LM, 16-MHz clock frequency, operating range 3 V, tray
SAF-C167CS-L16M3V CA+-Step	SP000017109	P-MQFP-144-6	as SAF-C167CS-L16M3V, tape & reel
SAF-C167CS-L16M3V CA+-Step	SP000103470	PG-MQFP-144-6	
SAF-C167CS-L33M CA+-Step	SP000016732	P-MQFP-144-6	as SAB-C167CS-LM, 33-MHz clock frequency, -40°C to 85°C, tray
SAF-C167CS-L33M CA+-Step	SP000103485	PG-MQFP-144-6	
SAF-C167CS-L33M CA+-Step	SP000103486	PG-MQFP-144-6	as SAF-C167CS-L33M, tape & reel
SAK-C167CS-L33M CA+-Step	SP000017988	P-MQFP-144-6	as SAF-C167CS-L33M, -40°C to 125°C, tape & reel
SAK-C167CS-L33M CA+-Step	SP000103489	PG-MQFP-144-6	
SAB-C167CS-L40M CA+-Step	SP000017984	P-MQFP-144-6	as SAB-C167CS-LM, 40-MHz clock frequency, tray
SAB-C167CS-L40M CA+-Step	SP000103471	PG-MQFP-144-6	
SAB-C167CS-L40M CA+-Step	SP000103468	PG-MQFP-144-6	as SAB-C167CS-LM, 40-MHz clock frequency, tape & reel
SAK167CS-L40M CA+-Step	SP000016752	P-MQFP-144-6	as SAB-C167CS-L40M, -40°C to 125°C, tray
SAK167CS-L40M CA+-Step	SP000103490	PG-MQFP-144-6	
SAK-C167CS-L40M CA+-Step	SP000016751	P-MQFP-144-6	as SAK-C167CS-L40M, tape & reel
SAK-C167CS-L40M CA+-Step	SP000103491	PG-MQFP-144-6	

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
SAB-C167SR-LM HA+-Step	SP000017980	P-MQFP-144-6	as SAB-C167CR-LM, without CAN interface, tray
SAB-C167SR-LM HA+-Step	SP000103456	PG-MQFP-144-6	
SAB-C167SR-LM HA+-Step	SP000017982	P-MQFP-144-6	as SAB-C167SR-LM, tape & reel
SAB-C167SR-LM HA+-Step	SP000103457	PG-MQFP-144-6	
SAK-C167SR-LM HA+-Step	SP000017999	P-MQFP-144-6	as SAB-C167SR-LM, -40°C to 125°C, tray
SAK-C167SR-LM HA+-Step	SP000103458	PG-MQFP-144-6	
SAK-C167SR-LM HA+-Step	SP000016522	P-MQFP-144-6	as SAK-C167SR-LM, tape & reel
SAK-C167SR-LM HA+-Step	SP000103459	PG-MQFP-144-6	

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit			
(cont'd)			
SAF-XC167CI-16F20F BB-Step	SP000094528	P-TQFP-144-19	128-Kbyte on-chip program memory (flash memory), 8-Kbyte on-chip RAM, programmable watchdog timer, oscillator watchdog, two 16-channel purpose capture/compare units, 16-channel 10-bit A/D converter, TwinCAN module, two Full-CANnodes, 20-MHz clock frequency, -40°C to 85°C, tray
SAF-XC167CI-16F20F BB-Step	SP000224688	PG-TQFP-144-19	
SAF-XC167CI-16F20F BB-Step	SP000094527	P-TQFP-144-19	as SAF-XC167CI-8F20F, tape & reel
SAF-XC167CI-16F20F BB-Step	SP000224687	PG-TQFP-144-19	
SAK-XC167CI-16F20F BB-Step	SP000224692	PG-TQFP-144-19	as SAF-XC167CI-16F-20F, -40°C to 125°C, tray
SAK-XC167CI-16F20F BB-Step	SP000094531	P-TQFP-144-19	as SAK-XC167CI-16F-20F, tape & reel
SAK-XC167CI-16F20F BB-Step	SP000224691	PG-TQFP-144-19	
SAF-XC167CI-16F40F BB-Step	SP000094530	P-TQFP-144-19	as SAF-XC167CI-16F20F, 40-MHz clock frequency, tray
SAF-XC167CI-16F40F BB-Step	SP000224690	PG-TQFP-144-19	
SAF-XC167CI-16F40F BB-Step	SP000094529	P-TQFP-144-19	as SAF-XC167CI-16F40F, tape & reel
SAF-XC167CI-16F40F BB-Step	SP000224689	PG-TQFP-144-19	
SAK-XC167CI-16F40F BB-Step	SP000094546	P-TQFP-144-19	as SAF-XC167CI-16F40F, -40°C to 125°C, tray
SAK-XC167CI-16F40F BB-Step	SP000224695	PG-TQFP-144-19	
SAK-XC167CI-16F40F BB-Step	SP000094545	P-TQFP-144-19	as SAK-XC167CI-16F40F, tape & reel
SAK-XC167CI-16F40F BB-Step	SP000224694	PG-TQFP-144-19	
SAF-XC167CI-32F20F BB-A-Step	SP000224701	PG-TQFP-144-19	as SAF-XC167CI-16F20F, 256-Kbytes on-chip program memory (flash memory), 12-Kbyte RAM, tray
SAF-XC167CI-32F20F BB-A-Step	SP000098776	P-TQFP-144-19	as SAF-XC167CI-32F20F, tape & reel
SAF-XC167CI-32F20F BB-A-Step	SP000224700	PG-TQFP-144-19	
SAK-XC167CI-32F20F BB-A-Step	SP000224705	PG-TQFP-144-19	as SAF-XC167CI-32F20F, -40°C to 125°C, tray
SAK-XC167CI-32F20F BB-A-Step	SP000098777	P-TQFP-144-19	as SAK-XC167CI-32F20F, tape & reel
SAK-XC167CI-32F20F BB-A-Step	SP000224704	PG-TQFP-144-19	
SAF-XC167CI-32F40F BB-A-Step	SP000224703	PG-TQFP-144-19	as SAF-XC167CI-32F20F, 40-MHz clock frequency, tray
SAF-XC167CI-32F40F BB-A-Step	SP000104964	P-TQFP-144-19	as SAF-XC167CI-32F40F, tape & reel
SAF-XC167CI-32F40F BB-A-Step	SP000224702	PG-TQFP-144-19	
SAK-XC167CI-32F40F BB-A-Step	SP000224707	PG-TQFP-144-19	as SAF-XC167CI-32F40F, -40°C to 125°C, tray
SAK-XC167CI-32F40F BB-A-Step	SP000098778	P-TQFP-144-19	as SAK-XC167CI-32F40F, tape & reel
SAK-XC167CI-32F40F BB-A-Step	SP000224706	PG-TQFP-144-19	

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
▼ SAF-XE167F-48F66L AB-Step	SP000363822	PG-LQFP-144-2	Real time signal controller 384-Kbyte on-chip program memory (flash memory), 16-Kbyte on-chip program/data SRAM (PSRAM), programmable watchdog timer, oscillator watchdog, one 16-channel purpose capture/ compare units (CAPCOM2), four capture/compare unit (CCU6) 16 + 8-channel 10-Bit A/D converter, five Full-CAN nodes, six serial interface channels, 66-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-XE167F-48F66L AB-Step	SP000363821	PG-LQFP-144-2	as SAF-XE167F-48F66L, tape & reel
▼ SAF-XE167F-72F66L AB-Step	SP000363813	PG-LQFP-144-2	as SAF-XE167F-48F66L, 576-Kbyte on-chip program memory (flash memory), 32-Kbyte on-chip program/data SRAM (PSRAM), tray
▼ SAF-XE167F-72F66L AB-Step	SP000363812	PG-LQFP-144-2	as SAF-XE167F-72F66L, tape & reel
▼ SAF-XE167F-96F66L AB-Step	SP000363803	PG-LQFP-144-2	as SAF-XE167F-48F66L, 768-Kbyte on-chip program memory (flash memory), 64-Kbyte on-chip program/data SRAM (PSRAM), tray
▼ SAF-XE167F-96F66L AB-Step	SP000363802	PG-LQFP-144-2	as SAF-XE167F-96F66L, tape & reel
▼ SAF-XE167G-48F66L AB-Step	SP000363824	PG-LQFP-144-2	Real time signal controller 384-Kbyte on-chip program memory (flash memory), 16-Kbyte on-chip program/data SRAM (PSRAM), programmable watchdog timer, oscillator watchdog, one 16-channel purpose capture/ compare units (CAPCOM2), two capture/compare unit (CCU6) 8 + 8-channel 10-Bit A/D converter, two Full-CAN nodes, four serial interface channels, 66-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-XE167G-48F66L AB-Step	SP000363823	PG-LQFP-144-2	as SAF-XE167G-48F66L, tape & reel
▼ SAF-XE167G-72F66L AB-Step	SP000363815	PG-LQFP-144-2	as SAF-XE167G-48F66L, 576-Kbyte on-chip program memory (flash memory), 32-Kbyte on-chip program/data SRAM (PSRAM), tray
▼ SAF-XE167G-72F66L AB-Step	SP000363814	PG-LQFP-144-2	as SAF-XE167G-72F66L, tape & reel
▼ SAF-XE167G-96F66L AB-Step	SP000363805	PG-LQFP-144-2	as SAF-XE167G-48F66L, 768-Kbyte on-chip program memory (flash memory), 64-Kbyte on-chip program/data SRAM (PSRAM), tray
▼ SAF-XE167G-96F66L AB-Step	SP000363804	PG-LQFP-144-2	as SAF-XE167G-96F66L, tape & reel

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
▼ SAF-XE167H-48F66L AB-Step	SP000363826	PG-LQFP-144-2	Real time signal controller 384-Kbyte on-chip program memory (flash memory), 16-Kbyte on-chip program/data SRAM (PSRAM), programmable watchdog timer, oscillator watchdog, one 16-channel purpose capture/ compare units (CAPCOM2), four capture/compare unit (CCU6) 16 + 8-channel 10-Bit A/D converter, no Full-CAN nodes, six serial interface channels, 66-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-XE167H-48F66L AB-Step	SP000363825	PG-LQFP-144-2	as SAF-XE167H-48F66L, tape & reel
▼ SAF-XE167H-72F66L AB-Step	SP000363817	PG-LQFP-144-2	as SAF-XE167H-48F66L, 576-Kbyte on-chip program memory (flash memory), 32-Kbyte on-chip program/data SRAM (PSRAM), tray
▼ SAF-XE167H-72F66L AB-Step	SP000363816	PG-LQFP-144-2	as SAF-XE167H-72F66L, tape & reel
▼ SAF-XE167H-96F66L AB-Step	SP000363807	PG-LQFP-144-2	as SAF-XE167H-48F66L, 768-Kbyte on-chip program memory (flash memory), 64-Kbyte on-chip program/data SRAM (PSRAM), tray
▼ SAF-XE167H-96F66L AB-Step	SP000363806	PG-LQFP-144-2	as SAF-XE167H-96F66L, tape & reel
▼ SAF-XE167K-48F66L AB-Step	SP000363828	PG-LQFP-144-2	Real time signal controller 384-Kbyte on-chip program memory (flash memory), 16-Kbyte on-chip program/data SRAM (PSRAM), programmable watchdog timer, oscillator watchdog, one 16-channel purpose capture/ compare units (CAPCOM2), two capture/compare unit (CCU6) 8 + 8-channel 10-Bit A/D converter, no Full-CAN nodes, four serial interface channels, 66-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-XE167K-48F66L AB-Step	SP000363827	PG-LQFP-144-2	as SAF-XE167K-48F66L, tape & reel
▼ SAF-XE167K-72F66L AB-Step	SP000363819	PG-LQFP-144-2	as SAF-XE167K-48F66L, 576-Kbyte on-chip program memory (flash memory), 32-Kbyte on-chip program/data SRAM (PSRAM), tray
▼ SAF-XE167K-72F66L AB-Step	SP000363818	PG-LQFP-144-2	as SAF-XE167K-72F66L, tape & reel
▼ SAF-XE167K-96F66L AB-Step	SP000363809	PG-LQFP-144-2	as SAF-XE167K-48F66L, 768-Kbyte on-chip program memory (flash memory), 64-Kbyte on-chip program/data SRAM (PSRAM), tray
▼ SAF-XE167K-96F66L AB-Step	SP000363808	PG-LQFP-144-2	as SAF-XE167K-96F66L, tape & reel

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Microcontrollers, 8-bit			
SAF-C505CA-LM CA-Step	SP000106669	PG-MQFP-44-2	ROMless, 256-byte on-chip RAM, 1-Kbyte XRAM, oscillator watchdog, watchdog timer, full CAN-controller (V 2.0 B active), 10-bit ADC, three 16-bit timers/counters, 20-MHz clock frequency, tray
SAF-C505CA-LM CA-Step	SP000106390	PG-MQFP-44-2	as SAF-C505CA-LM, tape & reel
SAB-C505CA-4EM CA-Step	SP000106391	PG-MQFP-44-2	as SAF-C505CA-LM, 32-Kbyte OTP memory, 0°C to 70°C, tray
SAB-C505CA-4EM CA-Step	SP000106392	PG-MQFP-44-2	as SAB-C505CA-4EM, tape & reel
SAF-C505CA-4EM CA-Step	SP000106394	PG-MQFP-44-2	as SAB-C505CA-4 EM, -40°C to 85°C, tray
SAF-C505CA-4EM CA-Step	SP000106395	PG-MQFP-44-2	as SAF-C505CA-4EM, tape & reel
SAK-C505CA-4EM CA-Step	SP000106396	PG-MQFP-44-2	as SAF-C505CA-4EM, -40°C to 125°C, tray
SAK-C505CA-4EM CA-Step	SP000106397	PG-MQFP-44-2	as SAK-C505CA-4EM, tape & reel
SAF-C515C-8EM CA-Step	SP000106398	PG-MQFP-80-1	64-Kbyte OTP memory, 256 x 8-bit RAM, additional 2K x 8-bit on-chip RAM, three 16-bit timer/counters, power saving modes, 10-bit A/D converter, programmable watchdog timer, oscillator watchdog, 10-MHz CPU clock frequency, for external memory, full CAN-controller (V 2.0 B active); -40°C to 85°C, tray
SAF-C515C-8EM CA-Step	SP000106399	PG-MQFP-80-1	as SAF-C515C-8EM, tape & reel

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 8-bit (cont'd)			
▼ SAF-XC866-1FRA AB-Step	SP000235418	PG-TSSOP-38-1	High performance XC800 core, based on industry standard 8051 architecture, 8-Kbyte boot ROM, 4-Kbyte data flash, automotive quality level, 256-byte RAM, 512-byte XRAM, capture/compare unit, three 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, -40°C to 85°C, tape & reel
▼ SAK-XC866-1FRA AB-Step	SP000235420	PG-TSSOP-38-1	as SAF-XC866-1FRA, -40°C to 125°C, tape & reel
▼ SAK-XC866-1FRI AB-Step	SP000244528	PG-TSSOP-38-1	as SAK-XC866-1FRA, industry quality level, tape & reel
▼ SAF-XC866-1FRI AB-Step	SP000244527	PG-TSSOP-38-1	as SAF-XC866-1FRA, industry quality level, tape & reel
▼ SAF-XC866-2FRA BE-Step	SP000281796	PG-TSSOP-38-1	as SAF-XC866-1FRA, 8-Kbyte flash (4-Kbyte program flash, 4-Kbyte data flash), -40°C to 85°C, tape & reel
▼ SAK-XC866-2FRA BE-Step	SP000272971	PG-TSSOP-38-1	as SAF-XC866-2FRA, -40°C to 125°C, tape & reel
▼ SAA-XC866-2FRA BE-Step	SP000281789	PG-TSSOP-38-1	as SAF-XC866-2FRA, -40°C to 140°C, tape & reel
▼ SAF-XC866-2FRI BC-Step	SP000210683	PG-TSSOP-38-1	as SAF-XC866-2FRA, industry quality level, tape & reel
▼ SAF-XC866-2FRI BE-Step	SP000210683	PG-TSSOP-38-1	as SAF-XC866-2FRI, BE-Step, tape & reel
▼ SAK-XC866-2FRI BC-Step	SP000057471	PG-TSSOP-38-1	as SAF-XC866-2FRI, -40°C to 125°C, tape & reel
▼ SAK-XC866-2FRI BE-Step	SP000245783	PG-TSSOP-38-1	as SAK-XC866-2FRI, BE-Step, tape & reel
▼ SAF-XC866-4FRA BE-Step	SP000281799	PG-TSSOP-38-1	as SAF-XC866-2FRA, 16-Kbyte flash (12-Kbyte program flash, 4-Kbyte data flash), -40°C to 85°C, tape & reel
▼ SAA-XC866-4FRA BE-Step	SP000281792	PG-TSSOP-38-1	as SAF-XC866-4FRA, -40°C to 140°C, tape & reel
SAF-XC866-4FRI BC-Step	SP000057470	PG-TSSOP-38-1	as SAF-XC866-4FRA, industry quality level, tape & reel
▼ SAF-XC866-4FRI BE-Step	SP000245780	PG-TSSOP-38-1	as SAF-XC866-4FRI, BE-Step, tape & reel
▼ SAK-XC866-4FRI BE-Step	SP000245786	PG-TSSOP-38-1	as SAF-XC866-4FRI, -40°C to 125°C, tape & reel

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Microcontrollers, 8-bit (cont'd)			
▼ SAF-XC866L-1FRA AB-Step	SP000235419	PG-TSSOP-38-1	High performance XC800 core, based on industry standard 8051 architecture, 8-Kbyte boot ROM, 4-Kbyte data flash, automotive quality level, 256-byte RAM, 512-byte XRAM, capture/compare unit, three 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, with LIN BSL support, -40°C to 85°C, tape & reel
▼ SAK-XC866L-1FRA AB-Step	SP000235421	PG-TSSOP-38-1	as SAF-XC866L-1FRA, -40°C to 125°C, tape & reel
▼ SAF-XC866L-2FRA BE-Step	SP000281797	PG-TSSOP-38-1	as SAF-XC866L-1FRA, 8-Kbyte flash (4-Kbyte program flash, 4-Kbyte data flash), tape & reel
▼ SAK-XC866L-2FRA BE-Step	SP000245768	PG-TSSOP-38-1	as SAF-XC866L-2FRA, -40°C to 125°C, tape & reel
▼ SAA-XC866L-2FRA BE-Step	SP000281790	PG-TSSOP-38-1	as SAF-XC866L-2FRA, -40°C to 140°C, tape & reel
▼ SAF-XC866L-2FRI BC-Step	SP000202926	PG-TSSOP-38-1	as SAF-XC866L-2FRA, industry quality level, tape & reel
▼ SAF-XC866L-2FRI BE-Step	SP000245778	PG-TSSOP-38-1	as SAF-XC866L-2FRI, BE-Step, tape & reel
▼ SAK-XC866L-2FRI BC-Step	SP000202929	PG-TSSOP-38-1	as SAF-XC866L-2FRI, -40°C to 125°C, tape & reel
▼ SAK-XC866L-2FRI BE-Step	SP000245784	PG-TSSOP-38-1	as SAK-XC866L-2FRI, BE-Step, tape & reel
▼ SAF-XC866L-4FRA BE-Step	SP000281800	PG-TSSOP-38-1	as SAF-XC866L-2FRA, 16-Kbyte flash (12-Kbyte program flash, 4-Kbyte data flash), tape & reel
▼ SAA-XC866L-4FRA BE-Step	SP000281793	PG-TSSOP-38-1	as SAF-XC866L-4FRA, -40°C to 140°C, tape & reel
▼ SAF-XC866L-4FRI BC-Step	SP000202927	PG-TSSOP-38-1	as SAF-XC866L-4FRA, industry quality level, tape & reel
▼ SAF-XC866L-4FRI BE-Step	SP000245781	PG-TSSOP-38-1	as SAF-XC866L-4FRI, BE-Step, tape & reel
▼ SAK-XC866L-4FRI BC-Step	SP000202930	PG-TSSOP-38-1	as SAF-XC866L-4FRI, -40°C to 125°C, tape & reel
▼ SAK-XC866L-4FRI BE-Step	SP000245787	PG-TSSOP-38-1	as SAK-XC866L-4FRI, BE-Step, tape & reel

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 8-bit (cont'd)			
SAF-XC886-6FFA 5V AC-Step	SP000210975	PG-TQFP-48-4	High performance XC800 core, based on industry standard 8051 architecture, 24-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), power supply 5 V, -40°C to 85°C, tape & reel
SAK-XC886-6FFA 5V AC-Step	SP000210978	PG-TQFP-48-4	as SAF-XC886-6FFA, -40°C to 125°C, tape & reel
SAF-XC886-6FFI 5V AC-Step	SP000217345	PG-TQFP-48-4	as SAF-XC886-6FFA, industry quality level, tape & reel
▼ SAK-XC886-6FFI 5V AC-Step	SP000253378	PG-TQFP-48-4	as SAF-XC886-6FFI, -40°C to 125°C, tape & reel
SAF-XC886-8FFA 5V AC-Step	SP000210968	PG-TQFP-48-4	High performance XC800 core, based on industry standard 8051 architecture, 32-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), power supply 5 V, -40°C to 85°C, tape & reel
SAK-XC886-8FFA 5V AC-Step	SP000210971	PG-TQFP-48-4	as SAF-XC886-8FFA, -40°C to 125°C, tape & reel
SAF-XC886-8FFI 5V AC-Step	SP000217349	PG-TQFP-48-4	as SAF-XC886-8FFA, industry quality level, tape & reel
▼ SAK-XC886-8FFI 5V AC-Step	SP000253380	PG-TQFP-48-4	as SAF-XC886-8FFI, -40°C to 125°C, tape & reel
▼ SAF-XC886C-6FFA 5V AC-Step	SP000254474	PG-TQFP-48-4	High performance XC800 core, based on industry standard 8051 architecture, 24-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, MultiCAN with 2 nodes, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), power supply 5 V, -40°C to 85°C, tape & reel
▼ SAK-XC886C-6FFA 5V AC-Step	SP000239122	PG-TQFP-48-4	as SAF-XC886C-6FFA, -40°C to 125°C, tape & reel
▼ SAF-XC886C-6FFI 3V3 AC-Step	SP000318354	PG-TQFP-48-4	as SAF-XC886C-6FFA, industry quality level, power supply 3.3 V, tape & reel
▼ SAF-XC886C-6FFI 5V AC-Step	SP000252635	PG-TQFP-48-4	as SAF-XC886C-6FFA, industry quality level, power supply 5 V, tape & reel
▼ SAK-XC886C-6FFI 5V AC-Step	SP000253369	PG-TQFP-48-4	as SAF-XC886C-6FFI, -40°C to 125°C, tape & reel
SAF-XC886C-8FFA 5V AC-Step	SP000210961	PG-TQFP-48-4	High performance XC800 core, based on industry standard 8051 architecture, 32-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, MultiCAN with 2 nodes, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), power supply 5 V, -40°C to 85°C, tape & reel
SAK-XC886C-8FFA 5V AC-Step	SP000106749	PG-TQFP-48-4	as SAF-XC886C-8FFA, -40°C to 125°C, tape & reel
SAF-XC886C-8FFI 5V AC-Step	SP000217340	PG-TQFP-48-4	as SAF-XC886C-8FFA, industry quality level, tape & reel
▼ SAK-XC886C-8FFI 5V AC-Step	SP000253375	PG-TQFP-48-4	as SAF-XC886C-8FFI, -40°C to 125°C, tape & reel

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Microcontrollers, 8-bit (cont'd)			
▼ SAF-XC886CLM-6FFA 5V AC-Step	SP000254472	PG-TQFP-48-4	High performance XC800 core, based on industry standard 8051 architecture, 24-Kbyte flash memory, automative quality level, 256-byte RAM, 1536-byte XRAM, MultiCAN with 2 nodes, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), power supply 5 V, with LIN BSL support and MDU module, -40°C to 85°C, tape & reel
▼ SAK-XC886CLM-6FFA 5V AC-Step	SP000245819	PG-TQFP-48-4	as SAF-XC886CLM-6FFA, -40°C to 125°C, tape & reel
▼ SAK-XC886CLM-6FFI 5V AC-Step	SP000253370	PG-TQFP-48-4	as SAK-XC886CLM-6FFA, industry quality level, tape & reel
SAF-XC886CLM-8FFA 5V AC-Step	SP000106748	PG-TQFP-48-4	High performance XC800 core, based on industry standard 8051 architecture, 32-Kbyte flash memory, automative quality level, 256-byte RAM, 1536-byte XRAM, MultiCAN with 2 nodes, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), power supply 5 V, with LIN BSL support and MDU module, -40°C to 85°C, tape & reel
SAK-XC886CLM-8FFA 5V AC-Step	SP000210964	PG-TQFP-48-4	as SAF-XC886CLM-8FFA, -40°C to 125°C, tape & reel
SAF-XC886CLM-8FFI 5V AC-Step	SP000217341	PG-TQFP-48-4	as SAF-XC886CLM-8FFA, industry quality level, tape & reel
▼ SAK-XC886CLM-8FFI 5V AC-Step	SP000253374	PG-TQFP-48-4	as SAF-XC886CLM-8FFI, -40°C to 125°C, tape & reel
▼ SAF-XC886CM-6FFA 5V AC-Step	SP000254473	PG-TQFP-48-4	High performance XC800 core, based on industry standard 8051 architecture, 24-Kbyte flash memory, automative quality level, 256-byte RAM, 1536-byte XRAM, MultiCAN with 2 nodes, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), power supply 5 V, with MDU module, -40°C to 85°C, tape & reel
▼ SAK-XC886CM-6FFA 5V AC-Step	SP000245820	PG-TQFP-48-4	as SAF-XC886CM-6FFA, -40°C to 125°C, tape & reel
▼ SAF-XC886CM-6FFI 5V AC-Step	SP000277136	PG-TQFP-48-4	as SAF-XC886CM-6FFA, industry quality level, tape & reel
▼ SAK-XC886CM-6FFI 5V AC-Step	SP000253371	PG-TQFP-48-4	as SAF-XC886CM-6FFI, -40°C to 125°C, tape & reel
SAF-XC886CM-8FFA 5V AC-Step	SP000210962	PG-TQFP-48-4	High performance XC800 core, based on industry standard 8051 architecture, 32-Kbyte flash memory, automative quality level, 256-byte RAM, 1536-byte XRAM, MultiCAN with 2 nodes, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), power supply 5 V, with MDU module, -40°C to 85°C, tape & reel
SAK-XC886CM-8FFA 5V AC-Step	SP000210965	PG-TQFP-48-4	as SAF-XC886CM-8FFA, -40°C to 125°C, tape & reel
SAF-XC886CM-8FFI 5V AC-Step	SP000217342	PG-TQFP-48-4	as SAF-XC886CM-8FFA, industry quality level, tape & reel
▼ SAK-XC886CM-8FFI 5V AC-Step	SP000253377	PG-TQFP-48-4	as SAF-XC886CM-8FFI, -40°C to 125°C, tape & reel

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 8-bit (cont'd)			
SAF-XC886LM-6FFA 5V AC-Step	SP000210974	PG-TQFP-48-4	High performance XC800 core, based on industry standard 8051 architecture, 24-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), power supply 5 V, with LIN BSL support and MDU module, -40°C to 85°C, tape & reel
SAK-XC886LM-6FFA 5V AC-Step	SP000210977	PG-TQFP-48-4	as SAF-XC886LM-6FFA, -40°C to 125°C, tape & reel
▼ SAF-XC886LM-6FFI 3V3 AC-Step	SP000307471	PG-TQFP-48-4	as SAF-XC886LM-6FFA, industry quality level, power supply 3.3 V, tape & reel
SAF-XC886LM-6FFI 5V AC-Step	SP000217347	PG-TQFP-48-4	as SAF-XC886LM-6FFA, industry quality level, power supply 5 V, tape & reel
▼ SAK-XC886LM-6FFI 5V AC-Step	SP000253379	PG-TQFP-48-4	as SAF-XC886LM-6FFI, -40°C to 125°C, tape & reel
SAF-XC886LM-8FFA 5V AC-Step	SP000210967	PG-TQFP-48-4	High performance XC800 core, based on industry standard 8051 architecture, 32-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), power supply 5 V, with LIN BSL support and MDU module, -40°C to 85°C, tape & reel
SAK-XC886LM-8FFA 5V AC-Step	SP000210970	PG-TQFP-48-4	as SAF-XC886LM-8FFA, -40°C to 125°C, tape & reel
SAF-XC886LM-8FFI 5V AC-Step	SP000217348	PG-TQFP-48-4	as SAF-XC886LM-8FFI, industry quality level, tape & reel
▼ SAK-XC886LM-8FFI 5V AC-Step	SP000253381	PG-TQFP-48-4	as SAF-XC886LM-8FFI, -40°C to 125°C, tape & reel

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Microcontrollers, 8-bit (cont'd)			
SAF-XC888-6FFA 5V AC-Step	SP000210989	PG-TQFP-64-8	High performance XC800 core, based on industry standard 8051 architecture, 24-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), power supply 5 V, -40°C to 85°C, tape & reel
SAK-XC888-6FFA 5V AC-Step	SP000210995	PG-TQFP-64-8	as SAF-XC888-6FFA, -40°C to 125°C, tape & reel
SAF-XC888-6FFI 5V AC-Step	SP000253400	PG-TQFP-64-8	as SAF-XC888-6FFA, industry quality level, tape & reel
▼SAK-XC888-6FFI 5V AC-Step	SP000253410	PG-TQFP-64-8	as SAF-XC888-6FFI, -40°C to 125°C, tape & reel
SAF-XC888-8FFA 5V AC-Step	SP000210986	PG-TQFP-64-8	High performance XC800 core, based on industry standard 8051 architecture, 32-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), power supply 5 V, -40°C to 85°C, tape & reel
SAK-XC888-8FFA 5V AC-Step	SP000210992	PG-TQFP-64-8	as SAF-XC888-8FFA, -40°C to 125°C, tape & reel
SAF-XC888-8FFI 5V AC-Step	SP000253402	PG-TQFP-64-8	as SAF-XC888-8FFA, industry quality level, tape & reel
▼SAK-XC888-8FFI 5V AC-Step	SP000253412	PG-TQFP-64-8	as SAF-XC888-8FFI, -40°C to 125°C, tape & reel
▼SAF-XC888C-6FFA 5V AC-Step	SP000257469	PG-TQFP-64-8	High performance XC800 core, based on industry standard 8051 architecture, 24-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, MultiCAN with 2 nodes, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), power supply 5 V, -40°C to 85°C, tape & reel
▼SAK-XC888C-6FFA 5V AC-Step	SP000239124	PG-TQFP-64-8	as SAF-XC888C-6FFA, -40°C to 125°C, tape & reel
▼SAK-XC888C-6FFI 5V AC-Step	SP000253405	PG-TQFP-64-8	as SAK-XC888C-6FFA, industry quality level, tape & reel
SAF-XC888C-8FFA 5V AC-Step	SP000210980	PG-TQFP-64-8	High performance XC800 core, based on industry standard 8051 architecture, 32-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, MultiCAN with 2 nodes, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), power supply 5 V, -40°C to 85°C, tape & reel
SAK-XC888C-8FFA 5V AC-Step	SP000098771	PG-TQFP-64-8	as SAF-XC888C-8FFA, -40°C to 125°C, tape & reel
▼SAF-XC888C-8FFI 3V3 AC-Step	SP000277148	PG-TQFP-64-8	as SAF-XC888C-8FFA, industry quality level, power supply 3.3 V, tape & reel
SAF-XC888C-8FFI 5V AC-Step	SP000253396	PG-TQFP-64-8	as SAF-XC888C-8FFA, industry quality level, power supply 5 V, tape & reel
▼SAK-XC888C-8FFI 5V AC-Step	SP000253408	PG-TQFP-64-8	as SAF-XC888C-8FFI, -40°C to 125°C, tape & reel

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 8-bit (cont'd)			
▼ SAF-XC888CLM-6FFA 5V AC-Step	SP000257467	PG-TQFP-64-8	High performance XC800 core, based on industry standard 8051 architecture, 24-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, MultiCAN with 2 nodes, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), power supply 5 V, with LIN BSL support and MDU module, -40°C to 85°C, tape & reel
▼ SAK-XC888CLM-6FFA 5V AC-Step	SP000245821	PG-TQFP-64-8	as SAF-XC888CLM-6FFA, -40°C to 125°C, tape & reel
▼ SAK-XC888CLM-6FFI 5V AC-Step	SP000253403	PG-TQFP-64-8	as SAK-XC888CLM-6FFA, industry quality level, tape & reel
SAF-XC888CLM-8FFA 5V AC-Step	SP000210979	PG-TQFP-64-8	High performance XC800 core, based on industry standard 8051 architecture, 32-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, MultiCAN with 2 nodes, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), power supply 5 V, with LIN BSL support and MDU module, -40°C to 85°C, tape & reel
SAK-XC888CLM-8FFA 5V AC-Step	SP000210982	PG-TQFP-64-8	as SAF-XC888CLM-8FFA, -40°C to 125°C, tape & reel
SAF-XC888CLM-8FFI 5V AC-Step	SP000253397	PG-TQFP-64-8	as SAF-XC888CLM-8FFA, industry quality level, tape & reel
▼ SAF-XC888CM-6FFA 5V AC-Step	SP000257468	PG-TQFP-64-8	High performance XC800 core, based on industry standard 8051 architecture, 24-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, MultiCAN with 2 nodes, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), power supply 5 V, with MDU module, -40°C to 85°C, tape & reel
▼ SAK-XC888CM-6FFA 5V AC-Step	SP000245822	PG-TQFP-64-8	as SAF-XC888CM-6FFA, -40°C to 125°C, tape & reel
▼ SAK-XC888CM-6FFI 5V AC-Step	SP000253406	PG-TQFP-64-8	as SAK-XC888CM-6FFA, industry quality level, tape & reel
SAF-XC888CM-8FFA 5V AC-Step	SP000210981	PG-TQFP-64-8	High performance XC800 core, based on industry standard 8051 architecture, 32-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, MultiCAN with 2 nodes, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), power supply 5 V, with MDU module, -40°C to 85°C, tape & reel
SAK-XC888CM-8FFA 5V AC-Step	SP000210983	PG-TQFP-64-8	as SAF-XC888CM-8FFA, -40°C to 125°C, tape & reel
▼ SAF-XC888CM-8FFI 3V3 AC-Step	SP000307473	PG-TQFP-64-8	as SAF-XC886CM-8FFA, industry quality level, power supply 3.3 V, tape & reel
SAF-XC888CM-8FFI 5V AC-Step	SP000253398	PG-TQFP-64-8	as SAF-XC886CM-8FFA, industry quality level, power supply 5 V, tape & reel
▼ SAK-XC888CM-8FFI 5V AC-Step	SP000253407	PG-TQFP-64-8	as SAF-XC888CM-8FFI, -40°C to 125°C, tape & reel

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Microcontrollers, 8-bit (cont'd)			
SAF-XC888LM-6FFA 5V AC-Step	SP000210988	PG-TQFP-64-8	High performance XC800 core, based on industry standard 8051 architecture, 24-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), power supply 5 V, with LIN BSL support and MDU module, -40°C to 85°C, tape & reel
SAK-XC888LM-6FFA 5V AC-Step	SP000210994	PG-TQFP-64-8	as SAF-XC888LM-6FFA, -40°C to 125°C, tape & reel
▼ SAF-XC888LM-6FFI 3V3 AC-Step	SP000307472	PG-TQFP-64-8	as SAF-XC888LM-6FFA, industry quality level, power supply 3.3 V, tape & reel
SAF-XC888LM-6FFI 5V AC-Step	SP000253399	PG-TQFP-64-8	as SAF-XC888LM-6FFA, industry quality level, power supply 5 V, tape & reel
▼ SAK-XC888LM-6FFI 5V AC-Step	SP000253409	PG-TQFP-64-8	as SAF-XC888LM-6FFI, -40°C to 125°C, tape & reel
SAF-XC888LM-8FFA 5V AC-Step	SP000210985	PG-TQFP-64-8	High performance XC800 core, based on industry standard 8051 architecture, 32-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), power supply 5 V, with LIN BSL support and MDU module, -40°C to 85°C, tape & reel
SAK-XC888LM-8FFA 5V AC-Step	SP000210991	PG-TQFP-64-8	as SAF-XC888LM-8FFA, -40°C to 125°C, tape & reel
SAF-XC888LM-8FFI 5V AC-Step	SP000253401	PG-TQFP-64-8	as SAF-XC888LM-8FFA, industry quality level, tape & reel
▼ SAK-XC888LM-8FFI 5V AC-Step	SP000253411	PG-TQFP-64-8	as SAF-XC888LM-8FFI, -40°C to 125°C, tape & reel

SMD = Surface Mounted Device

Power Semiconductors

Automotive N-Channel MOSFETs	63
Automotive P-Channel MOSFETs	69
N-Channel MOSFETs	70
P-Channel MOSFETs	83
Complementary MOSFETs	85
Depletion MOSFETs	85
IGBT Power Transistors	86
Power Diodes	92
Smart Power Switches	95
Motor Drivers	102
Power Supply	105
Automotive Transceivers and SBCs	109
Specific Automotive ICs	110
Integrated Power ICs	111
SMPS ICs	112
Low Voltage ICs	112
Lighting ICs	112
Function and Industrial ICs	113

Type	Ordering Code	Package	Data			
			V_{DS} V	$R_{DS(on)}$ mΩ	$V_{GS(th)}$ V	I_D A

Power Transistors

Automotive N-Channel MOSFETs
30 V

▼ IPB22N03S4L-15	SP000275308	PG-TO263-3-2	30	1.5	1.0 ... 2.2	22
IPB80N03S4L-02	SP000273282	PG-TO263-3-2	30	2.3	1.0 ... 2.2	80
▼ IPB80N03S4L-03	SP000274982	PG-TO263-3-2	30	3.3	1.0 ... 2.2	80
▼ IPD30N03S4L-14	SP000275919	PG-TO252-3-11	30	1.4	1.0 ... 2.2	30
IPD90N03S4L-02	SP000273284	PG-TO252-3-11	30	2.2	1.0 ... 2.2	90
▼ IPD90N03S4L-03	SP000274978	PG-TO252-3-11	30	3.0	1.0 ... 2.2	90
▼ IPD70N03S4L-04	SP000274986	PG-TO252-3-11	30	4.3	1.0 ... 2.2	70
IPD50N03S2L-06	SP000254461	PG-TO252-3-11	30	6.4	1.2 ... 2.0	50
IPD30N03S2L-07	SP000254463	PG-TO252-3-11	30	6.7	1.2 ... 2.0	30
IPD50N03S2-07	SP000254462	PG-TO252-3-11	30	7.3	2.1 ... 4.0	50
IPD30N03S2L-10	SP000254465	PG-TO252-3-11	30	10	1.2 ... 2.0	30
IPD30N03S2L-20	SP000254466	PG-TO252-3-11	30	20	1.2 ... 2.0	30
▼ IPI22N03S4L-15	SP000277016	PG-TO262-3-1	30	1.5	1.0 ... 2.2	22
IPI80N03S4L-03	SP000273285	PG-TO262-3-1	30	2.6	1.0 ... 2.2	80
▼ IPI80N03S4L-04	SP000274983	PG-TO262-3-1	30	3.3	1.0 ... 2.2	80
▼ IPP22N03S4L-15	SP000275290	PG-TO220-3-1	30	1.5	1.0 ... 2.2	22
▼ IPP80N03S4L-03	SP000275328	PG-TO220-3-1	30	2.4	1.0 ... 2.2	80
▼ IPP80N03S4L-04	SP000274981	PG-TO220-3-1	30	3.3	1.0 ... 2.2	80
■ SPB100N03S2L-03	SP000013460	P-TO263-3-2	30	3.0	1.2 ... 2.0	100
SPB100N03S2L-03 G	SP000200141	PG-TO263-3-2	30	3.0	1.2 ... 2.0	100
■ SPB80N03S2L-03	SP000016252	P-TO263-3-2	30	3.1	1.2 ... 2.0	80
SPB80N03S2L-03 G	SP000200142	PG-TO263-3-2	30	3.1	1.2 ... 2.0	80
■ SPB100N03S2-03	SP000016260	P-TO263-3-2	30	3.3	2.1 ... 4.0	100
SPB100N03S2-03 G	SP000200140	PG-TO263-3-2	30	3.3	2.1 ... 4.0	100
■ SPB80N03S2-03	SP000016251	P-TO263-3-2	30	3.4	1.2 ... 2.0	80
SPB80N03S2-03 G	SP000200139	PG-TO263-3-2	30	3.4	1.2 ... 2.0	80
SPB80N03S2L-05 G	SP000200144	PG-TO263-3-2	30	5.2	1.2 ... 2.0	80
■ SPB80N03S2L-06	SP000016264	P-TO263-3-2	30	5.9	1.2 ... 2.0	80
■ SPB73N03S2L-08	SP000016257	P-TO263-3-2	30	8.0	1.2 ... 2.0	73
SPB73N03S2L-08 G	SP000200138	PG-TO263-3-2	30	8.0	1.2 ... 2.0	73
SPB42N03S2L-13 G	SP000200137	PG-TO263-3-2	30	12	1.2 ... 2.0	42
■ SPD50N03S2L-06	SP000077584	P-TO252-3-11	30	6.4	1.2 ... 2.0	50
■ SPD30N03S2L-07	SP000013749	P-TO252-3-11	30	6.7	1.2 ... 2.0	30
■ SPD30N03S2L-07	SP000077583	PG-TO252-3-11	30	6.7	1.2 ... 2.0	30
■ SPD50N03S2-07	SP000016253	P-TO252-3-11	30	7.3	2.1 ... 4.0	50
■ SPD50N03S2-07	SP000077579	PG-TO252-3-11	30	7.3	2.1 ... 4.0	50
■ SPD30N03S2L-10	SP000016254	P-TO252-3-11	30	10	1.2 ... 2.0	30
■ SPD30N03S2L-10	SP000077499	PG-TO252-3-11	30	10	1.2 ... 2.0	30
■ SPD30N03S2L-20	SP000013488	P-TO252-3-11	30	20	1.2 ... 2.0	30
■ SPI80N03S2L-03	SP000016261	P-TO262-3-1	30	3.1	1.2 ... 2.0	80
■ SPI80N03S2-03	SP000016262	P-TO262-3-1	30	3.3	2.1 ... 4.0	100
■ SPI80N03S2L-04	SP000013903	P-TO262-3-1	30	4.3	1.2 ... 2.0	80
■ SPI42N03S2L-13	SP000013897	P-TO262-3-1	30	12.9	1.2 ... 2.0	42

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	mΩ	V	A

Power Transistors

Automotive N-Channel MOSFETs 30 V (cont'd)

■ SPP100N03S2L-03	SP000013462	P-TO220-3-1	30	3.0	1.2 ... 2.0	100
■ SPP80N03S2L-03	SP000012469	P-TO220-3-1	30	3.1	1.2 ... 2.0	80
■ SPP100N03S2-03	SP000013463	P-TO220-3-1	30	3.3	2.1 ... 4.0	100
■ SPP80N03S2-03	SP000012468	P-TO220-3-1	30	3.4	2.1 ... 4.0	80
■ SPP80N03S2L-04	SP000013902	P-TO220-3-1	30	4.3	1.2 ... 2.0	80
■ SPP80N03S2L-05	SP000013466	P-TO220-3-1	30	5.0	1.2 ... 2.0	80
■ SPP80N03S2L-06	SP000014061	P-TO220-3-1	30	6.2	1.2 ... 2.0	80
■ SPP73N03S2L-08	SP000013465	P-TO220-3-1	30	8.0	1.2 ... 2.0	73
■ SPP42N03S2L-13	SP000013464	P-TO220-3-1	30	12	1.2 ... 2.0	42

40 V

IPB180N04S3-02	SP000254821	PG-TO263-7-3	40	1.6	2.1 ... 4.0	180
IPB120N04S3-02	SP000261216	PG-TO263-3-2	40	2.0	2.1 ... 4.0	120
IPB160N04S3-02	SP000254818	PG-TO263-7-3	40	2.4	2.1 ... 4.0	160
IPB160N04S2L-03	SP000218153	PG-TO263-7-3	40	2.7	1.2 ... 2.0	160
IPB80N04S3-03	SP000260848	P-TO263-3-2	40	2.8	2.1 ... 4.0	80
IPB160N04S2-03	SP000218151	PG-TO263-7-3	40	2.9	2.1 ... 4.0	160
IPB100N04S3-03	SP000260847	PG-TO263-3-2	40	3.0	2.1 ... 4.0	100
IPB80N04S2L-03	SP000220158	PG-TO263-3-2	40	3.1	1.2 ... 2.0	80
IPB100N04S2L-03	SP000219065	PG-TO263-3-2	40	3.3	1.2 ... 2.0	100
IPB80N04S2-04	SP000218154	PG-TO263-3-2	40	3.4	2.1 ... 4.0	80
IPB100N04S2-04	SP000219061	PG-TO263-3-2	40	3.6	2.1 ... 4.0	100
IPB80N04S3-04	SP000261217	P-TO263-3-2	40	4.0	2.1 ... 4.0	80
IPB80N04S2-H4	SP000218165	PG-TO263-3-2	40	4.0	2.1 ... 4.0	80
IPB80N04S3-06	SP000254822	PG-TO263-3-2	40	6.0	2.1 ... 4.0	80
▼ IPB70N04S3-07	SP000279556	PG-TO263-3-2	40	6.8	2.1 ... 4.0	70
IPD90N04S3-04	SP000261222	PG-TO252-3-1	40	3.8	2.1 ... 4.0	90
IPD80N04S3-06	SP000261220	PG-TO252-3-1	40	6.0	2.1 ... 4.0	80
IPD70N04S3-07	SP000261221	PG-TO252-3-1	40	6.8	2.1 ... 4.0	70
IPD50N04S3-08	SP000261218	PG-TO252-3-1	40	8.0	2.1 ... 4.0	50
IPI120N04S3-02	SP000261225	PG-TO262-3-1	40	2.3	2.1 ... 4.0	120
IPI80N04S3-03	SP000261238	P-TO262-3-1	40	3.0	2.1 ... 4.0	80
IPI100N04S3-03	SP000261223	PG-TO262-3-1	40	3.3	2.1 ... 4.0	100
IPI80N04S2-04	SP000219058	PG-TO262-3-1	40	3.7	2.1 ... 4.0	80
IPI80N04S2-H4	SP000218171	PG-TO262-3-1	40	4.0	2.1 ... 4.0	80
IPI80N04S3-04	SP000261226	PG-TO262-3-1	40	4.3	2.1 ... 4.0	80
IPI80N04S3-06	SP000261237	P-TO262-3-1	40	6.3	2.1 ... 4.0	80
▼ IPI70N04S3-03	SP000279551	PG-TO262-3-1	40	6.8	2.1 ... 4.0	70
IPP120N04S3-02	SP000261228	PG-TO220-3-1	40	2.3	2.1 ... 4.0	120
IPP80N04S3-03	SP000261229	P-TO220-3-1	40	3.0	2.1 ... 4.0	80
IPP80N04S2L-03	SP000219063	PG-TO220-3-1	40	3.3	1.2 ... 2.0	80
IPP100N04S2L-03	SP000219062	PG-TO220-3-1	40	3.3	1.2 ... 2.0	100
IPP100N04S3-03	SP000261227	PG-TO220-3-1	40	3.3	2.1 ... 4.0	100
IPP80N04S2-H4	SP000218169	PG-TO220-3-1	40	4.0	2.1 ... 4.0	80
IPP80N04S3-04	SP000261230	PG-TO220-3-1	40	4.3	2.1 ... 4.0	80
IPP80N04S3-06	SP000261233	PG-TO220-3-1	40	6.3	2.1 ... 4.0	80
▼ IPP70N04S3-03	SP000279559	PG-TO220-3-1	40	6.8	2.1 ... 4.0	70

SMD = Surface Mounted Device

Type	Ordering Code	Package	Data			
			V_{DS} V	$R_{DS(on)}$ mΩ	$V_{GS(th)}$ V	I_D A

Power Transistors

Automotive N-Channel MOSFETs
40 V
(cont'd)

■ SPB160N04S2L-03	SP000014639	P-TO263-3-2	40	2.7	1.2 ... 2.0	160
■ SPB160N04S2-03	SP000014263	P-TO263-7-3	40	2.9	2.1 ... 4.0	160
■ SPB100N04S2L-03	SP000013712	P-TO263-3-2	40	3.3	1.2 ... 2.0	100
■ SPB80N04S2L-03	SP000016354	P-TO263-3-2	40	3.6	1.2 ... 2.0	80
■ SPB100N04S2-04	SP000013711	P-TO263-3-2	40	3.6	2.1 ... 4.0	100
■ SPB80N04S2-04	SP000016353	P-TO263-3-2	40	3.9	2.1 ... 4.0	80
■ SPB80N04S2-H4	SP000016358	P-TO263-3-2	40	4.0	2.1 ... 4.0	80
■ SPI80N04S2-04	SP000015085	P-TO262-3-1	40	3.4	2.1 ... 4.0	80
■ SPP100N04S2L-03	SP000013719	P-TO220-3-1	40	3.3	1.2 ... 2.0	100
■ SPP80N04S2L-03	SP000012472	P-TO220-3-1	40	3.6	1.2 ... 2.0	80
■ SPP100N04S2-04	SP000013718	P-TO220-3-1	40	3.6	2.1 ... 4.0	100
■ SPP80N04S2-04	SP000012470	P-TO220-3-1	40	3.9	2.1 ... 4.0	80
■ SPP80N04S2-H4	SP000013150	P-TO220-3-1	40	4.0	2.1 ... 4.0	80

55 V

B50604NS2	SP000013128	P-DSO-8-5	55	35	1.2 ... 2.0	5.0
B5P603S2L	SP000013597	SOT223	55	33	1.2 ... 2.0	5.2
B5P615S2L	SP000013181	SOT223	55	90	1.2 ... 2.0	2.8
IPB100N06S3L-03	SP000087978	PG-TO263-3-2	55	2.7	1.2 ... 2.0	100
IPB100N06S3-03	SP000087982	PG-TO263-3-2	55	3.0	2.1 ... 4.0	100
IPB100N06S3L-04	SP000102219	P-TO263-3-2	55	3.5	1.2 ... 2.0	100
IPB100N06S3-04	SP000102220	PG-TO263-3-2	55	4.1	2.1 ... 4.0	100
IPB100N06S2L-05	SP000219003	PG-TO263-3-2	55	4.4	1.2 ... 2.0	100
IPB80N06S2L-05	SP000219004	PG-TO263-3-2	55	4.5	1.2 ... 2.0	80
IPB80N06S3L-05	SP000102221	PG-TO263-3-2	55	4.5	1.2 ... 2.0	80
IPB100N06S2-05	SP000218874	PG-TO263-3-2	55	4.7	2.1 ... 4.0	100
IPB80N06S2-05	SP000218877	PG-TO263-3-2	55	4.8	2.1 ... 4.0	80
IPB80N06S2L-H5	SP000219068	PG-TO263-3-2	55	5.0	1.2 ... 2.0	80
IPB80N06S3-05	SP000102222	PG-TO263-3-2	55	5.1	2.1 ... 4.0	80
IPB80N06S2-H5	SP000218162	PG-TO263-3-2	55	5.5	2.1 ... 4.0	80
IPB80N06S3L-06	SP000088004	PG-TO263-3-2	55	5.6	1.2 ... 2.0	80
IPB80N06S2L-06	SP000218163	PG-TO263-3-2	55	6.3	1.2 ... 2.0	80
IPB80N06S3-07	SP000088065	PG-TO263-3-2	55	6.5	2.1 ... 4.0	80
IPB80N06S2-07	SP000218818	PG-TO263-3-2	55	6.6	2.1 ... 4.0	80
IPB80N06S2L-07	SP000218867	PG-TO263-3-2	55	7.0	1.2 ... 2.0	80
IPB80N06S3L-08	SP000088128	PG-TO263-3-2	55	7.6	1.2 ... 2.0	80
IPB80N06S2-08	SP000218830	PG-TO263-3-2	55	8.0	2.1 ... 4.0	80
IPB80N06S2L-09	SP000218743	PG-TO263-3-2	55	8.5	1.2 ... 2.0	80
IPB77N06S3-09	SP000088715	PG-TO263-3-2	55	8.8	2.1 ... 4.0	77
IPB77N06S3-09	SP000088715	PG-TO263-3-2	55	8.8	2.1 ... 4.0	77
IPB80N06S2-09	SP000218741	PG-TO263-3-2	55	9.1	2.1 ... 4.0	80
IPB80N06S2L-11	SP000218177	PG-TO263-3-2	55	11	1.2 ... 2.0	80
IPB77N06S2-12	SP000218173	PG-TO263-3-2	55	12	2.1 ... 4.0	77
IPB45N06S3L-13	SP000102223	PG-TO263-3-2	55	13	1.2 ... 2.0	45
IPB45N06S3-16	SP000102224	PG-TO263-3-2	55	15.4	2.1 ... 4.0	45
IPB25N06S3L-22	SP000087994	PG-TO263-3-2	55	21.3	1.2 ... 2.0	25

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS} V	$R_{DS(on)}$ mΩ	$V_{GS(th)}$ V	I_D A

Power Transistors

Automotive N-Channel MOSFETs

55 V

(cont'd)

IPB25N06S3-25	SP000088000	PG-TO263-3-2	55	24.8	2.1 ... 4.0	25
IPD90N06S3L-05	SP000264468	PG-TO252-3-11	55	5.0	1.2 ... 2.2	90
IPD50N06S3L-06	SP000264471	PG-TO252-3-11	55	6.0	1.2 ... 2.0	50
IPD90N06S3-06	SP000264470	PG-TO252-3-11	55	6.0	2.1 ... 4.0	90
IPD50N06S3-07	SP000264472	PG-TO252-3-11	55	6.9	2.1 ... 4.0	50
▼ IPD90N06S3L-07	SP000361535	PG-TO252-3-11	55	7.1	1.2 ... 2.2	90
▼ IPD50N06S3L-08	SP000362090	PG-TO252-3-11	55	7.8	1.2 ... 2.2	50
IPD80N06S3-09	SP000264473	PG-TO252-3-11	55	8.4	2.1 ... 4.0	80
IPD50N06S3-09	SP000264474	P-TO252-3-11	55	9.0	2.1 ... 4.0	50
IPD50N06S3L-13	SP000273279	P-TO252-3-11	55	12.6	1.2 ... 2.0	50
IPD30N06S2L-13	SP000252167	PG-TO252-3-11	55	12.7	1.2 ... 2.0	30
IPD50N06S2L-13	SP000252172	PG-TO252-3-11	55	13	1.2 ... 2.0	50
IPD50N06S2-14	SP000252171	PG-TO252-3-11	55	14.4	2.1 ... 4.0	50
IPD30N06S2-15	SP000252160	PG-TO252-3-11	55	14.7	2.1 ... 4.0	30
IPD50N06S3-15	SP000264476	PG-TO252-3-11	55	15	2.1 ... 4.0	50
IPD30N06S3L-20	SP000241692	P-TO252-3-11	55	20	1.2 ... 2.0	30
IPD30N06S2-23	SP000252166	PG-TO252-3-11	55	23	2.1 ... 4.0	30
IPD30N06S2L-23	SP000252168	PG-TO252-3-11	55	23	1.2 ... 2.0	30
IPD30N06S3-24	SP000264477	PG-TO252-3-11	55	24	2.1 ... 4.0	30
IPD26N06S2L-35	SP000252165	PG-TO252-3-11	55	35	1.2 ... 2.0	26
IPD25N06S2-40	SP000252164	PG-TO252-3-11	55	40	2.1 ... 4.0	25
IPD15N06S2L-64	SP000252162	PG-TO252-3-11	55	64	1.2 ... 2.0	15
IPD14N06S2-80	SP000252161	PG-TO252-3-11	55	80	2.1 ... 4.0	14
IPI100N06S3L-03	SP000087979	PG-TO262-3-1	55	3.0	1.2 ... 2.0	100
IPI100N06S3-03	SP000087992	PG-TO262-3-1	55	3.3	2.1 ... 4.0	100
IPI100N06S3L-04	SP000102211	P-TO262-3-1	55	3.8	1.2 ... 2.0	100
IPI100N06S3-04	SP000102210	P-TO262-3-1	55	4.4	2.1 ... 4.0	100
IPI80N06S2L-05	SP000219002	PG-TO262-3-1	55	4.8	1.2 ... 2.0	80
IPI80N06S3L-05	SP000102204	PG-TO262-3-1	55	4.8	1.2 ... 2.0	80
IPI80N06S3-05	SP000102214	PG-TO262-3-1	55	5.4	2.1 ... 4.0	80
IPI80N06S3L-06	SP000088002	P-TO262-3-1	55	5.9	1.2 ... 2.0	80
IPI80N06S2-07	SP000218817	PG-TO262-3-1	55	6.6	2.1 ... 4.0	80
IPI80N06S3-07	SP000088064	P-TO262-3-1	55	6.8	2.1 ... 4.0	80
IPI80N06S3L-08	SP000088131	P-TO262-3-1	55	7.9	1.2 ... 2.0	80
IPI80N06S2-08	SP000218828	PG-TO262-3-1	55	8.0	2.1 ... 4.0	80
IPI77N06S3-09	SP000088716	P-TO262-3-1	55	9.1	2.1 ... 4.0	77
IPI80N06S2L-11	SP000218176	PG-TO262-3-1	55	11	1.2 ... 2.0	80
IPI45N06S3L-13	SP000102216	PG-TO262-3-1	55	13.1	1.2 ... 2.0	45
IPI45N06S3-16	SP000102217	PG-TO262-3-1	55	15.7	2.1 ... 4.0	45
IPI25N06S3L-22	SP000087996	PG-TO262-3-1	55	21.6	1.2 ... 2.0	25
IPI25N06S3-25	SP000087997	PG-TO262-3-1	55	25.1	2.1 ... 4.0	25
IPP100N06S3L-03	SP000087977	P-TO220-3-1	55	3.0	1.2 ... 2.0	100
IPP100N06S3-03	SP000087980	P-TO220-3-1	55	3.3	2.1 ... 4.0	100
IPP100N06S3L-04	SP000102209	P-TO220-3-1	55	3.8	1.2 ... 2.0	100
IPP100N06S3-04	SP000102212	P-TO220-3-1	55	4.4	2.1 ... 4.0	100
IPP100N06S2L-05	SP000218879	PG-TO220-3-1	55	4.7	1.2 ... 2.0	100

SMD = Surface Mounted Device

Type	Ordering Code	Package	Data			
			V_{DS} V	$R_{DS(on)}$ mΩ	$V_{GS(th)}$ V	I_D A

Power Transistors

Automotive N-Channel MOSFETs

55 V

(cont'd)

IPP80N06S3L-05	SP000102206	PG-TO220-3-1	55	4.8	1.2 ... 2.0	80
IPP80N06S2L-05	SP000219000	PG-TO220-3-1	55	4.8	1.2 ... 2.0	80
IPP80N06S2-05	SP000218873	PG-TO220-3-1	55	5.1	2.1 ... 4.0	80
IPP80N06S2L-H5	SP000219067	PG-TO220-3-1	55	5.3	1.2 ... 2.0	80
IPP80N06S3-05	SP000102213	PG-TO220-3-1	55	5.4	2.1 ... 4.0	80
IPP80N06S2-H5	SP000218155	PG-TO220-3-1	55	5.5	2.1 ... 4.0	80
IPP80N06S3L-06	SP000088006	P-TO220-3-1	55	5.9	1.2 ... 2.0	80
IPP80N06S2-07	SP000218810	PG-TO220-3-1	55	6.3	2.1 ... 4.0	80
IPP80N06S2L-06	SP000218824	PG-TO220-3-1	55	6.3	1.2 ... 2.0	80
IPP80N06S3-07	SP000088067	P-TO220-3-1	55	6.8	2.1 ... 4.0	80
IPP80N06S2L-07	SP000218831	PG-TO220-3-1	55	7.0	1.2 ... 2.0	80
IPP80N06S3L-08	SP000088127	P-TO220-3-1	55	7.9	1.2 ... 2.0	80
IPP80N06S2-08	SP000218826	PG-TO220-3-1	55	8.0	2.1 ... 4.0	80
IPP80N06S2-09	SP000218740	PG-TO220-3-1	55	8.5	2.1 ... 4.0	80
IPP80N06S2L-09	SP000218742	PG-TO220-3-1	55	9.1	1.2 ... 2.0	80
IPP77N06S3-09	SP000088717	P-TO220-3-1	55	9.1	2.1 ... 4.0	77
IPP80N06S2L-11	SP000218175	PG-TO220-3-1	55	11	1.2 ... 2.0	80
IPP77N06S2-12	SP000218172	PG-TO220-3-1	55	12	2.1 ... 4.0	77
IPP45N06S3L-13	SP000102215	P-TO220-3-1	55	13.1	1.2 ... 2.0	45
IPP45N06S3-16	SP000102218	P-TO220-3-1	55	15.7	2.1 ... 4.0	45
IPP25N06S3L-22	SP000087993	P-TO220-3-1	55	21.6	1.2 ... 2.0	25
IPP25N06S3-25	SP000088001	P-TO220-3-1	55	25.1	2.1 ... 4.0	25
■ SPB100N06S2L-05	SP000013714	P-TO263-3-2	55	4.7	1.2 ... 2.0	100
■ SPB80N06S2L-05	SP000016352	P-TO263-3-2	55	4.8	1.2 ... 2.0	80
■ SPB80N06S2L-H5	SP000013796	P-TO263-3-2	55	5.0	1.2 ... 2.0	80
■ SPB100N06S2-05	SP000013713	P-TO263-3-2	55	5.0	2.1 ... 4.0	100
■ SPB80N06S2-05	SP000016351	P-TO263-3-2	55	5.1	2.1 ... 4.0	80
■ SPB80N06S2-H5	SP000013795	P-TO263-3-2	55	5.5	2.1 ... 4.0	80
■ SPB80N06S2L-06	SP000013577	P-TO263-3-2	55	6.3	1.2 ... 2.0	80
■ SPB80N06S2-07	SP000013578	P-TO263-3-2	55	6.6	2.1 ... 4.0	80
■ SPB80N06S2L-07	SP000016357	P-TO263-3-2	55	7.0	1.2 ... 2.0	80
■ SPB80N06S-08	SP000054056	P-TO263-3-2	55	7.7	2.1 ... 4.0	80
SPB80N06S-08	SP000084808	PG-TO263-3-2	55	7.7	2.1 ... 4.0	80
■ SPB80N06S2-08	SP000016356	P-TO263-3-2	55	8.0	2.1 ... 4.0	80
■ SPB80N06S2L-09	SP000013582	P-TO263-3-2	55	8.5	1.2 ... 2.0	80
■ SPB80N06S2-09	SP000013581	P-TO263-3-2	55	9.1	2.1 ... 4.0	80
■ SPB80N06S2L-11	SP000013586	P-TO263-3-2	55	11	1.2 ... 2.0	80
■ SPB77N06S2-12	SP000013587	P-TO263-3-2	55	12	2.1 ... 4.0	77
■ SPD50N06S2L-13	SP000013568	P-TO252-3-1	55	12.7	1.2 ... 2.0	50
■ SPD30N06S2L-13	SP000012478	P-TO252-3-1	55	13	1.2 ... 2.0	30
■ SPD50N06S2-14	SP000013569	P-TO252-3-1	55	14.4	2.1 ... 4.0	50
■ SPD30N06S2-15	SP000012477	P-TO252-3-1	55	14.7	2.1 ... 4.0	30
■ SPD30N06S2-23	SP000013596	P-TO252-3-1	55	23	2.1 ... 4.0	30
■ SPD30N06S2L-23	SP000013127	P-TO252-3-1	55	23	1.2 ... 2.0	30

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS} V	$R_{DS(on)}$ mΩ	$V_{GS(th)}$ V	I_D A

Power Transistors

Automotive N-Channel MOSFETs 55 V (cont'd)

■ SPD26N06S2L-35	SP000013570	P-TO252-3-1	55	35	1.2 ... 2.0	26
■ SPD25N06S2-40	SP000013572	P-TO252-3-1	55	40	2.1 ... 4.0	25
■ SPD15N06S2L-64	SP000013573	P-TO252-3-1	55	64	1.2 ... 2.0	15
■ SPD14N06S2-80	SP000013575	P-TO252-3-1	55	80	2.1 ... 4.0	14
■ SPI80N06S2L-05	SP000016360	P-TO262-3-1	55	4.5	1.2 ... 2.0	80
■ SPI80N06S2-07	SP000013784	P-TO262-3-1	55	6.6	2.1 ... 4.0	80
■ SPI80N06S-08	SP000054055	P-TO262-3-1	55	7.7	2.1 ... 4.0	80
	SPI80N06S-08	PG-TO262-3-1	55	7.7	2.1 ... 4.0	80
■ SPI80N06S2-08	SP000013911	P-TO262-3-1	55	8.0	2.1 ... 4.0	80
■ SPI80N06S2L-11	SP000029960	P-TO262-3-1	55	11	1.2 ... 2.0	80
■ SPP100N06S2L-05	SP000013721	P-TO220-3-1	55	4.7	1.2 ... 2.0	100
■ SPP80N06S2L-05	SP000012474	P-TO220-3-1	55	4.8	1.2 ... 2.0	80
■ SPP80N06S2L-H5	SP000014001	P-TO220-3-1	55	5.0	1.2 ... 2.0	80
■ SPP100N06S2-05	SP000013720	P-TO220-3-1	55	5.0	2.1 ... 4.0	100
■ SPP80N06S2-05	SP000012473	P-TO220-3-1	55	5.1	2.1 ... 4.0	80
■ SPP80N06S2-H5	SP000014000	P-TO220-3-1	55	5.5	2.1 ... 4.0	80
■ SPP80N06S2L-06	SP000013576	P-TO220-3-1	55	6.3	1.2 ... 2.0	80
■ SPP80N06S2L-07	SP000012823	P-TO220-3-1	55	7.0	1.2 ... 2.0	80
■ SPP80N06S-08	SP000054054	P-TO220-3-1	55	7.7	2.1 ... 4.0	80
	SPP80N06S-08	PG-TO220-3-1	55	7.7	2.1 ... 4.0	80
■ SPP80N06S2-08	SP000012822	P-TO220-3-1	55	8.0	2.1 ... 4.0	80
■ SPP80N06S2L-09	SP000013580	P-TO220-3-1	55	8.5	1.2 ... 2.0	80
■ SPP80N06S2-09	SP000013583	P-TO220-3-1	55	9.1	2.1 ... 4.0	80
■ SPP80N06S2L-11	SP000013584	P-TO220-3-1	55	11	1.2 ... 2.0	80
■ SPP77N06S2-12	SP000013588	P-TO220-3-1	55	12	2.1 ... 4.0	77
■ SPP80N06S2-07	SP000013579	P-TO220-3-1	55	12	2.1 ... 4.0	80

75 V

IPB100N08S2L-07	SP000219053	PG-TO263-3-2	75	6.5	1.2 ... 2.0	100
IPB100N08S2-07	SP000219044	PG-TO263-3-2	75	6.8	2.1 ... 4.0	100
IPB80N08S2L-07	SP000219051	PG-TO263-3-2	75	6.8	1.2 ... 2.0	80
IPB80N08S2-07	SP000219048	PG-TO263-3-2	75	7.1	2.1 ... 4.0	80
IPD30N08S2-22	SP000252169	PG-TO252-3-11	75	21.5	2.1 ... 4.0	30
IPD30N08S2L-21	SP000252170	PG-TO252-3-11	75	25	1.2 ... 2.0	30
IPD22N08S2L-50	SP000252163	PG-TO252-3-11	75	50	1.2 ... 2.0	22
IPI100N08S2-07	SP000219041	PG-TO262-3-1	75	7.0	2.1 ... 4.0	100
IPI80N08S2-07	SP000219043	PG-TO262-3-1	75	7.0	2.1 ... 4.0	80
IPP100N08S2L-07	SP000219052	PG-TO220-3-1	75	6.8	1.2 ... 2.0	100
IPP100N08S2-07	SP000219005	PG-TO220-3-1	75	7.1	2.1 ... 4.0	100
IPP80N08S2L-07	SP000219050	PG-TO220-3-1	75	7.1	1.2 ... 2.0	80
IPP80N08S2-07	SP000219040	PG-TO220-3-1	75	7.4	2.1 ... 4.0	80

SMD = Surface Mounted Device

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	mΩ	V	A

Power Transistors**Automotive N-Channel MOSFETs****75 V**

(cont'd)

■ SPB100N08S2L-07	SP000013716	P-TO263-3-2	75	6.5	1.2 ... 2.0	100
■ SPB100N08S2-07	SP000013715	P-TO263-3-2	75	6.8	2.1 ... 4.0	100
■ SPB80N08S2L-07	SP000016359	P-TO263-3-2	75	6.8	1.2 ... 2.0	80
■ SPB80N08S2-07	SP000016355	P-TO263-3-2	75	7.1	2.1 ... 4.0	80
■ SPD30N08S2L-21	SP000013152	P-TO252-3-11	75	20.5	1.2 ... 2.0	30
■ SPD30N08S2-22	SP000013153	P-TO252-3-11	75	21.5	2.1 ... 4.0	30
■ SPD220N08S2L-50	SP000013910	P-TO252-3-11	75	50	1.2 ... 2.0	25
■ SPI100N08S2-07	SP000055687	P-TO262-3-1	75	6.8	2.1 ... 4.0	100
■ SPI80N08S2-07	SP000013954	P-TO262-3-1	75	7.1	2.1 ... 4.0	80
■ SPP100N08S2L-07	SP000013723	P-TO220-3-1	75	6.5	1.2 ... 2.0	100
■ SPP100N08S2-07	SP000013722	P-TO220-3-1	75	6.8	2.1 ... 4.0	100
■ SPP80N08S2L-07	SP000012476	P-TO220-3-1	75	6.8	1.2 ... 2.0	80
■ SPP80N08S2-07	SP000012475	P-TO220-3-1	75	7.1	2.1 ... 4.0	80

100 V

IPB70N10SL-16	SP000225700	PG-TO263-3-2	100	16	1.2 ... 2.0	70
IPB47N10SL-26	SP000225701	PG-TO263-3-2	100	26	1.2 ... 2.0	47
IPB47N10S-33	SP000225702	PG-TO263-3-2	100	33	2.1 ... 4.0	47
IPI 70N10SL-16	SP000225705	PG-TO262-3-1	100	16	1.2 ... 2.0	70
IPI47N10SL-26	SP000225704	PG-TO262-3-1	100	26	1.2 ... 2.0	47
IPI47N10S-33	SP000225703	PG-TO262-3-1	100	33	2.1 ... 4.0	47
IPP70N10SL-16	SP000225708	PG-TO220-3-1	100	16	1.2 ... 2.0	70
IPP47N10SL-26	SP000225707	PG-TO220-3-1	100	26	1.2 ... 2.0	47
IPP47N10S-33	SP000225706	PG-TO220-3-1	100	33	2.1 ... 4.0	47
■ SPB70N10L	SP000012079	P-TO263-3-2	100	16	1.2 ... 2.0	70
■ SPB47N10L	SP000012078	P-TO263-3-2	100	26	1.2 ... 2.0	47
■ SPB47N10	SP000012327	P-TO263-3-2	100	33	2.1 ... 4.0	47
■ SPI 70N10L	SP000014005	P-TO262-3-1	100	16	1.2 ... 2.0	70
■ SPI47N10L	SP000013952	P-TO262-3-1	100	26	1.2 ... 2.0	47
■ SPI47N10	SP000013951	P-TO262-3-1	100	33	2.1 ... 4.0	47
■ SPP70N10L	SP000012103	P-TO220-3-1	100	16	1.2 ... 2.0	70
■ SPP47N10L	SP000012102	P-TO220-3-1	100	26	1.2 ... 2.0	47
■ SPP47N10	SP000012415	P-TO220-3-1	100	33	2.1 ... 4.0	47

Automotive P-Channel MOSFETs**-30 V**

▼ IPB100P03P3L-04	SP000297635	PG-TO263-3-2	-30	4	-2.0 ... -1.0	-100
▼ IPI100P03P3L-04	SP000311117	PG-TO262-3-1	-30	4	-2.0 ... -1.0	-100
▼ IPP100P03P3L-04	SP000311114	PG-TO220-3-1	-30	4	-2.0 ... -1.0	-100

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS} V	$R_{DS(on)}$ mΩ	$V_{GS(th)}$ V	I_D A

Power Transistors

N-Channel MOSFETs 20 V

▼ BSC019N02KS G	SP000307376	SuperSO8	20	1.95	0.7 ... 1.2	100
▼ BSC026N02KS G	SP000379664	SuperSO8	20	2.6	0.7 ... 1.2	100
▼ BSC046N02KS G	SP000379666	SuperSO8	20	4.6	0.7 ... 1.2	80
▼ BSR202N L6327	SP000257784	SC59	20	21	0.7 ... 1.2	3.8
▼ BSL202N L6327	SP000257782	TSOP6	20	22	0.7 ... 1.2	7.5
▼ BSO330N02K G	SP000380284	SO-8	20	30	0.7 ... 1.2	5.4

25 V

IPB03N03LA G	SP000087858	D ² -PAK	25	2.7	1.2 ... 2.0	80
IPB04N03LA G	SP000103302	D ² -PAK	25	3.9	1.2 ... 2.0	80
IPB05N03LA G	SP000068872	D ² -PAK	25	4.6	1.2 ... 2.0	80
IPB06N03LA G	SP000068850	D ² -PAK	25	5.9	1.2 ... 2.0	50
IPBH6N03LA G	SP000080228	D ² -PAK	25	6.2	1.2 ... 2.1	50
IPB09N03LA G	SP000068859	D ² -PAK	25	8.9	1.2 ... 2.0	50
IPB11N03LA G	SP000103306	D ² -PAK	25	11.2	1.2 ... 2.0	30
IPB14N03LA G	SP000085264	D ² -PAK	25	13.6	1.2 ... 2.0	30

30 V

▼ BSB019N03LX G	SP000384565	CanPAK™	30	1.9	1.2 ... 2.0	174
▼ BSB053N03LP G	SP000384533	CanPAK™	30	5.3	1.2 ... 2.0	71
▼ BSF053N03LT G	SP000384536	CanPAK™	30	5.3	1.2 ... 2.0	71
▼ BSF083N03LQ G	SP000384539	CanPAK™	30	8.3	1.2 ... 2.0	58
▼ BSC014N03LS G	SP000394677	SuperSO8	30	1.4	1.2 ... 2.0	100
▼ BSC014N03MS G	SP000394681	SuperSO8	30	1.4	1.2 ... 2.2	100
▼ BSC016N03LS G	SP000237663	SuperSO8	30	1.6	1.2 ... 2.0	100
▼ BSC016N03MS G	SP000311502	SuperSO8	30	1.6	1.2 ... 2.2	100
▼ BSC020N03LS G	SP000237662	SuperSO8	30	2.0	1.0 ... 2.2	100
▼ BSC020N03MS G	SP000311503	SuperSO8	30	2.0	1.2 ... 2.0	100
▼ BSC025N03LS G	SP000269781	SuperSO8	30	2.5	1.0 ... 2.2	100
▼ BSC025N03MS G	SP000311505	SuperSO8	30	2.5	1.2 ... 2.0	93
▼ BSC030N03LS G	SP000237661	SuperSO8	30	3.0	1.0 ... 2.2	100
▼ BSC030N03MS G	SP000311506	SuperSO8	30	3.0	1.2 ... 2.0	77
▼ BSC042N03LS G	SP000302864	SuperSO8	30	4.2	1.0 ... 2.2	95
▼ BSC042N03MS G	SP000311512	SuperSO8	30	4.2	1.2 ... 2.0	59
▼ BSC050N03LS G	SP000269785	SuperSO8	30	5.0	1.0 ... 2.2	78
▼ BSC050N03MS G	SP000311507	SuperSO8	30	5.0	1.2 ... 2.0	51
▼ BSC057N03LS G	SP000275113	SuperSO8	30	5.7	1.0 ... 2.2	71
▼ BSC057N03MS G	SP000311513	SuperSO8	30	5.7	1.2 ... 2.0	45
▼ BSC072N03LD G	SP000359607	SuperSO8 (dual)	30	7.2	1.0 ... 2.2	20
▼ BSC080N03LS G	SP000275114	SuperSO8	30	8.0	1.0 ... 2.2	52
▼ BSC080N03MS G	SP000311514	SuperSO8	30	8.0	1.2 ... 2.0	33
▼ BSC090N03LS G	SP000275115	SuperSO8	30	9.0	1.0 ... 2.2	47
▼ BSC090N03MS G	SP000313120	SuperSO8	30	9.0	1.2 ... 2.0	30
▼ BSC100N03LS G	SP000275117	SuperSO8	30	10	1.0 ... 2.2	44
▼ BSC100N03MS G	SP000311515	SuperSO8	30	10	1.2 ... 2.0	28

SMD = Surface Mounted Device

Type	Ordering Code	Package	Data			
			V_{DS} V	$R_{DS(on)}$ mΩ	$V_{GS(th)}$ V	I_D A

Power Transistors

N-Channel MOSFETs

30 V

cont'd)

▼ BSC120N03LS G	SP000302848	SuperSO8	30	12	1.0 ... 2.2	30
▼ BSC120N03MS G	SP000311516	SuperSO8	30	12	1.2 ... 2.0	24
▼ BSC150N03LD G	SP000359362	SuperSO8 (dual)	30	15	1.0 ... 2.2	20
▼ BSR302N L6327	SP000257785	SC59	30	23	1.2 ... 2.0	3.7
▼ BSL302SN L6327	SP000257783	TSOP6	30	25	1.2 ... 2.0	7.1
BSO052N03S	SP000080998	SO-8	30	5.2	1.2 ... 2.0	17
BSO064N03S	SP000077646	SO-8	30	6.4	1.2 ... 2.0	16
BSO072N03S	SP000077647	SO-8	30	6.8	1.2 ... 2.0	15
BSO094N03S	SP000077648	SO-8	30	9.1	1.2 ... 2.0	13
BSO104N03S	SP000077649	SO-8	30	9.7	1.2 ... 2.0	13
BSO119N03S	SP000077657	SO-8	30	11.9	1.2 ... 2.0	11
BSO200N03S	SP000077658	SO-8	30	20	1.2 ... 2.0	8.8
BSO300N03S	SP000077644	SO-8	30	30	1.2 ... 2.0	7.2
BSO150N03	SP000077687	SO-8 (dual)	30	15	1.2 ... 2.0	9.1
BSO200N03	SP000104683	SO-8 (dual)	30	20	1.2 ... 2.0	7.9
BSO350N03	SP000080984	SO-8 (dual)	30	35	1.2 ... 2.0	6.0
▼ BSZ035N03LS G	SP000278809	S308	30	3.5	1.0 ... 2.2	40
▼ BSZ035N03MS G	SP000311511	S308	30	3.5	1.2 ... 2.0	40
▼ BSZ050N03LS G	SP000304139	S308	30	5.0	1.0 ... 2.2	40
▼ BSZ050N03MS G	SP000311518	S308	30	5.0	1.2 ... 2.0	40
▼ BSZ058N03LS G	SP000307424	S308	30	5.8	1.0 ... 2.2	40
▼ BSZ058N03MS G	SP000311508	S308	30	5.8	1.2 ... 2.0	40
▼ BSZ088N03LS G	SP000304138	S308	30	8.8	1.0 ... 2.2	40
▼ BSZ088N03MS G	SP000311509	S308	30	8.8	1.2 ... 2.0	32
▼ BSZ100N03LS G	SP000304135	S308	30	10	1.0 ... 2.2	40
▼ BSZ100N03MS G	SP000311510	S308	30	10	1.2 ... 2.0	28
▼ BSZ130N03LS G	SP000278810	S308	30	13	1.0 ... 2.2	35
▼ BSZ130N03MS G	SP000313122	S308	30	13	1.2 ... 2.0	22
▼ IPB009N03L G	SP000394657	D ² PAK 7pin	30	0.95	1.0 ... 2.1	180
▼ IPB034N03L G	SP000304126	D ² -PAK	30	3.4	1.0 ... 2.2	90
▼ IPB042N03L G	SP000304124	D ² -PAK	30	4.2	1.0 ... 2.2	80
▼ IPB055N03L G	SP000304110	D ² -PAK	30	5.5	1.0 ... 2.2	80
▼ IPB065N03L G	SP000254709	D ² -PAK	30	6.5	1.0 ... 2.2	50
▼ IPB080N03L G	SP000304104	D ² -PAK	30	8.0	1.0 ... 2.2	50
▼ IPB096N03L G	SP000254711	D ² -PAK	30	9.6	1.0 ... 2.2	35
▼ IPB114N03L G	SP000304102	D ² -PAK	30	11.4	1.0 ... 2.2	20
▼ IPB147N03L G	SP000254712	D ² -PAK	30	14.7	1.0 ... 2.2	30
▼ IPD031N03M G	SP000313126	D-PAK	30	3.1	1.0 ... 2.2	90
▼ IPD031N03L G	SP000236957	D-PAK	30	3.1	1.0 ... 2.2	90
▼ IPD040N03L G	SP000254715	D-PAK	30	4.0	1.2 ... 2.0	90
▼ IPD050N03L G	SP000254716	D-PAK	30	5.0	1.2 ... 2.0	50
▼ IPD060N03L G	SP000236948	D-PAK	30	6.0	1.0 ... 2.2	50
▼ IPD075N03L G	SP000249747	D-PAK	30	7.5	1.0 ... 2.2	50
▼ IPD090N03L G	SP000236950	D-PAK	30	9.0	1.0 ... 2.2	40
▼ IPD105N03L G	SP000254717	D-PAK	30	10.5	1.0 ... 2.2	35
▼ IPD135N03L G	SP000236951	D-PAK	30	13.5	1.0 ... 2.2	30

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS} V	$R_{DS(on)}$ mΩ	$V_{GS(th)}$ V	I_D A

Power Transistors

N-Channel MOSFETs

30 V

(cont'd)

▼ IPP034N03L G	SP000237660	TO220	30	3.4	1.0 ... 2.2	80
▼ IPP042N03L G	SP000256161	TO220	30	4.2	1.2 ... 2.2	80
▼ IPP055N03L G	SP000266314	TO220	30	5.5	1.2 ... 2.2	50
▼ IPP065N03L G	SP000254736	TO220	30	6.5	1.0 ... 2.2	50
▼ IPP080N03L G	SP000264166	TO220	30	8.0	1.2 ... 2.2	50
▼ IPP096N03L G	SP000254737	TO220	30	9.6	1.0 ... 2.2	35
▼ IPP114N03L G	SP000264168	TO220	30	11.4	1.0 ... 2.2	30
▼ IPP147N03L G	SP000266315	TO220	30	14.7	1.0 ... 2.2	30
▼ IPS031N03L G	SP000256160	I-PAK SL	30	3.1	1.0 ... 2.2	90
▼ IPS040N03L G	SP000256159	I-PAK SL	30	4.0	1.0 ... 2.2	90
▼ IPS050N03L G	SP000264170	I-PAK SL	30	5.0	1.0 ... 2.2	50
▼ IPS060N03L G	SP000252576	I-PAK SL	30	6.0	1.0 ... 2.2	50
▼ IPS075N03L G	SP000264171	I-PAK SL	30	7.5	1.0 ... 2.2	50
▼ IPS090N03L G	SP000252578	I-PAK SL	30	9.0	1.0 ... 2.2	40
▼ IPS105N03L G	SP000264172	I-PAK SL	30	10.5	1.0 ... 2.2	35
▼ IPS135N03L G	SP000257455	I-PAK SL	30	13.5	1.0 ... 2.2	30
▼ IPU039N03L G	SP000256162	I-PAK	30	3.9	1.0 ... 2.2	50
▼ IPU050N03L G	SP000271468	I-PAK	30	5.0	1.0 ... 2.2	50
▼ IPU060N03L G	SP000260749	I-PAK	30	6.0	1.0 ... 2.2	50
▼ IPU075N03L G	SP000271467	I-PAK	30	7.5	1.0 ... 2.2	50
▼ IPU090N03L G	SP000260751	I-PAK	30	9.0	1.0 ... 2.2	40
▼ IPU105N03L G	SP000271466	I-PAK	30	10.5	1.0 ... 2.2	35
▼ IPU135N03L G	SP000260752	I-PAK	30	13.5	1.0 ... 2.2	30

40 V

▼ BSC016N04LS G	SP000237663	SuperSO8	40	1.6	1.2 ... 2.0	100
▼ BSC017N04NS G	SP000394684	SuperSO8	40	1.7	2.0 ... 4.0	100
▼ BSC018N04LS G	SP000388293	SuperSO8	40	1.8	1.2 ... 2.0	100
▼ BSC019N04NS G	SP000388299	SuperSO8	40	1.9	2.0 ... 4.0	100
▼ BSC027N04LS G	SP000354810	SuperSO8	40	2.7	1.2 ... 2.0	88
▼ BSC030N04NS G	SP000354811	SuperSO8	40	3.0	2.0 ... 4.0	84
▼ BSC035N04LS G	SP000391503	SuperSO8	40	3.5	1.2 ... 2.0	71
▼ BSC050N04LS G	SP000354806	SuperSO8	40	5.0	1.2 ... 2.0	54
▼ BSC054N04NS G	SP000354808	SuperSO8	40	5.4	2.0 ... 4.0	52
▼ BSC059N04LS G	SP000391499	SuperSO8	40	5.9	1.2 ... 2.0	46
▼ BSC093N04LS G	SP000387929	SuperSO8	40	9.3	1.2 ... 2.0	31
▼ BSZ040N04LS G	SP000388295	S308	40	4.0	1.2 ... 2.0	40
▼ BSZ042N04NS G	SP000388300	S308	40	4.2	2.0 ... 4.0	40
▼ BSZ097N04LS G	SP000388296	S308	40	9.7	1.2 ... 2.0	30
▼ BSZ105N04NS G	SP000388301	S308	40	10.5	2.0 ... 4.0	29
▼ BSZ165N04NS G	SP000391523	S308	40	16.5	2.0 ... 4.0	20

SMD = Surface Mounted Device

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	mΩ	V	A

Power Transistors**N-Channel MOSFETs****40 V**

(cont'd)

▼ IPB011N04L G	SP000391498	D ² -PAK 7pin	40	1.1	1.2 ... 2.0	180
▼ IPB011N04N G	SP000388298	D ² -PAK 7pin	40	1.1	2.0 ... 4.0	180
▼ IPB020N04N G	SP000359157	D ² -PAK 7pin	40	2.0	2.0 ... 4.0	140
▼ IPB022N04L G	SP000391497	D ² -PAK	40	2.2	1.2 ... 2.0	90
▼ IPB023N04N G	SP000391519	D ² -PAK	40	2.3	2.0 ... 4.0	90
▼ IPB039N04L G	SP000391495	D ² -PAK	40	3.9	1.2 ... 2.0	80
▼ IPB041N04N G	SP000391511	D ² -PAK	40	4.1	2.0 ... 4.0	80
▼ IPB052N04N G	SP000391505	D ² -PAK	40	5.2	2.0 ... 4.0	70
▼ IPB075N04L G	SP000387943	D ² -PAK	40	7.5	1.2 ... 2.0	50
▼ IPB093N04L G	SP000387937	D ² -PAK	40	9.3	1.2 ... 2.0	50
▼ IPD036N04L G	SP000387945	D-PAK	40	3.6	1.0 ... 2.0	90
▼ IPD038N04N G	SP000391507	D-PAK	40	3.8	2.0 ... 4.0	90
▼ IPD088N04L G	SP000354798	D-PAK	40	8.8	1.0 ... 2.0	50
▼ IPD105N04L G	SP000354796	D-PAK	40	10.5	1.0 ... 2.0	40
▼ IPD160N04L G	SP000387933	D-PAK	40	16	1.0 ... 2.0	30
▼ IPD170N04N G	SP000388297	D-PAK	40	17	2.0 ... 4.0	30

55 V

BSS670S2L L6327	SP000247301	SOT23	55	650	1.2 ... 2.0	0.54
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60 V

▼ IPB034N06L3 G	SP000398062	D ² -PAK	60	3.4	1.2 ... 2.2	90
▼ IPB037N06N G	SP000397986	D ² -PAK	60	3.7	2.0 ... 4.0	90
IPB048N06L G	SP000204181	D ² -PAK	60	4.4	1.2 ... 2.0	100
▼ IPB050N06N G	SP000204170	D ² -PAK	60	4.7	2.1 ... 4.0	100
IPB065N06L G	SP000204183	D ² -PAK	60	6.2	1.2 ... 2.0	80
IPB070N06L G	SP000204172	D ² -PAK	60	6.7	1.2 ... 2.0	80
IPB070N06N G	SP000204187	D ² -PAK	60	6.7	2.1 ... 4.0	80
IPB080N06N G	SP000204174	D ² -PAK	60	7.7	2.1 ... 4.0	80
IPB085N06L G	SP000204190	D ² -PAK	60	8.2	1.2 ... 2.0	80
▼ IPB091N06N G	SP000204192	D ² -PAK	60	8.8	2.1 ... 4.0	80
IPB110N06L G	SP000204193	D ² -PAK	60	11	1.2 ... 2.0	78
IPB120N06N G	SP000204176	D ² -PAK	60	11.7	2.1 ... 4.0	75
▼ IPD037N06N3 G	on request	D-PAK	60	3.7	2.0 ... 4.0	90
IPD127N06L G	SP000204177	D-PAK	60	12.7	1.2 ... 2.0	50
IPD144N06N G	SP000203941	D-PAK	60	14.4	2.0 ... 4.0	50
▼ IPD230N06L G	SP000204195	D-PAK	60	23	1.2 ... 2.0	30
▼ IPD230N06N G	SP000204196	D-PAK	60	23	2.0 ... 4.0	30
▼ IPD350N06L G	SP000204197	D-PAK	60	35	1.2 ... 2.0	29
IPD400N06N G	SP000203938	D-PAK	60	40	2.0 ... 4.0	27
IPD640N06L G	SP000203939	D-PAK	60	64	1.2 ... 2.0	18
IPD800N06N G	SP000204179	D-PAK	60	80	2.0 ... 4.0	16

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS} V	$R_{DS(on)}$ mΩ	$V_{GS(th)}$ V	I_D A

Power Transistors

N-Channel MOSFETs

60 V

cont'd)

▼ IPI037N06L3 G	SP000397910	I ² -PAK	60	3.7	1.2 ... 2.2	90
▼ IPI040N06N3 G	SP000398038	I ² -PAK	60	4.0	2.0 ... 4.0	90
IPI070N06N G	SP000208612	I ² -PAK	60	7.0	2.0 ... 4.0	80
▼ IPP037N06L3 G	SP000398072	TO220	60	3.7	1.2 ... 2.2	90
▼ IPP040N06N3 G	SP000398032	TO220	60	4.0	2.0 ... 4.0	90
IPP048N06L G	SP000204180	TO220	60	4.8	1.2 ... 2.0	100
▼ IPP050N06N G	SP000204169	TO220	60	5.0	2.0 ... 4.0	100
IPP065N06L G	SP000204182	TO220	60	6.5	1.2 ... 2.0	80
IPP070N06L G	SP000204171	TO220	60	7.0	1.2 ... 2.0	80
IPP070N06N G	SP000204186	TO220	60	7.0	2.0 ... 4.0	80
IPP080N06N G	SP000204173	TO220	60	8.0	2.0 ... 4.0	80
IPP085N06L G	SP000204188	TO220	60	8.5	1.2 ... 2.0	80
▼ IPP091N06N G	SP000204191	TO220	60	9.1	2.0 ... 4.0	80
IPP110N06L G	SP000204194	TO220	60	11	1.2 ... 2.0	78
IPP20N06N G	SP000204175	TO220	60	12	2.0 ... 4.0	75
BSO615N G	SP000216316	SO-8 dual	60	150	1.2 ... 2.0	2.60
BSP295 L6327	SP000089210	SOT223	60	300	0.8 ... 1.8	1.80
BSP318S L6327	SP000235371	SOT23	60	90	1.2 ... 2.0	2.60
BSP320S L6327	SP000235375	SOT23	60	120	2.1 ... 4.0	2.90
BSP320S L6433	SP000235376	SOT23	60	120	2.1 ... 4.0	2.90
▼ 2N7002 L6327	SP000408440	SOT23	60	3000	1.5 ... 2.5	0.20
BSS138N L6327	SP000074207	SOT23	60	3499	0.6 ... 1.3	-0.77
BSS138N L6433	SP000247294	SOT23	60	3500	0.6 ... 1.4	0.23
BSS7728N L6327	SP000247302	SOT23	60	5000	1.3 ... 2.3	0.30
SN7002N L6327	SP000074235	SOT23	60	5000	0.8 ... 1.8	0.20
SN7002N L6433	SP000247306	SOT23	60	5000	0.8 ... 1.8	0.20
BSS138W L6327	SP000245411	SOT323	60	3500	0.6 ... 1.4	0.28
BSS138W L6433	SP000245412	SOT323	60	3500	0.6 ... 1.4	0.28
SN7002W L6327	SP000245414	SOT323	60	5000	0.8 ... 1.8	0.23
SN7002W L6433	SP000245413	SOT323	60	5000	0.8 ... 1.8	0.23
▼ 2N7002DW L6327	SP000408436	SOT363	60	3000	1.5 ... 2.5	0.30

80 V

▼ IPB022N08N3 G	on request	D ² -PAK 7pin	80	2.2	2.0 ... 3.5	160
▼ IPB025N08N3 G	SP000311980	D ² -PAK	80	2.5	2.0 ... 3.5	100
▼ IPB054N08N3 G	SP000395166	D ² -PAK	80	5.4	2.0 ... 3.5	90
▼ IPD053N08N3 G	SP000395183	D-PAK	80	5.3	2.0 ... 3.5	90
▼ IPI028N08N3 G	SP000395160	I ² -PAK	80	2.8	2.0 ... 3.5	100
▼ IPI057N08N3 G	SP000395182	I ² -PAK	80	5.7	2.0 ... 3.5	90
▼ IPP028N08N3 G	SP000311978	TO220	80	2.8	2.0 ... 3.5	100
▼ IPP057N08N3 G	SP000395165	TO220	80	5.7	2.0 ... 3.5	90

SMD = Surface Mounted Device

Type	Ordering Code	Package	Data			
			V_{DS} V	$R_{DS(on)}$ mΩ	$V_{GS(th)}$ V	I_D A

Power Transistors**N-Channel MOSFETs
100 V**

▼ BSC079N10NS G	SP000379590	SuperSO8	100	7.9	2.0 ... 4.0	100
▼ BSC082N10LS G	SP000379609	SuperSO8	100	8.2	1.2 ... 2.4	100
▼ BSC100N10NSF G	SP000379595	SuperSO8	100	10	2.0 ... 4.0	89
▼ BSC105N10LSF G	SP000388502	SuperSO8	100	10.5	1.2 ... 2.4	-
▼ BSC118N10NS G	SP000379599	SuperSO8	100	11.8	2.0 ... 4.0	71
▼ BSC123N10LS G	SP000379612	SuperSO8	100	12.3	1.2 ... 2.4	72
▼ BSC152N10NSF G	SP000379601	SuperSO8	100	15.2	2.0 ... 4.0	61
▼ BSC159N10LSF G	SP000379614	SuperSO8	100	15.9	1.2 ... 2.4	-
▼ BSC196N10NS G	SP000379604	SuperSO8	100	19.6	2.0 ... 4.0	45
▼ BSC205N10LS G	SP000379616	SuperSO8	100	20.5	1.2 ... 2.4	45
▼ BSC252N10NSF G	SP000379608	SuperSO8	100	25.2	2.0 ... 4.0	39
▼ BSC265N10LSF G	SP000379618	SuperSO8	100	26.5	1.2 ... 2.4	-
▼ BSC750N10ND G	SP000359610	SuperSO8 dual	100	75	2.0 ... 4.0	13
BSP373 L6327	SP000087065	SuperSO8 dual	100	300	2.1 ... 4.0	1.70
▼ IPB04CN10N G	SP000311986	D ² -PAK	100	3.9	2.0 ... 4.0	100
IPB05CN10N G	SP000096440	D ² -PAK	100	5.1	2.0 ... 4.0	100
IPB06CN10N G	SP000096446	D ² -PAK	100	6.2	2.0 ... 4.0	100
IPB08CN10N G	SP000096448	D ² -PAK	100	8.2	2.0 ... 4.0	95
IPB12CN10N G	SP000096450	D ² -PAK	100	12.6	2.0 ... 4.0	67
IPB16CN10N G	SP000096452	D ² -PAK	100	16.2	2.0 ... 4.0	53
▼ IPB26CN10N G	SP000277692	D ² -PAK	100	26	2.0 ... 4.0	35
▼ IPB34CN10N G	SP000277693	D ² -PAK	100	34	2.0 ... 4.0	27
▼ IPB50CN10N G	SP000277696	D ² -PAK	100	50	2.0 ... 4.0	20
▼ IPB79CN10N G	SP000277697	D ² -PAK	100	79	2.0 ... 4.0	13
▼ IPD12CN10N G	SP000096476	D-PAK	100	12.4	2.0 ... 4.0	67
IPD16CN10N G	SP000096454	D-PAK	100	16	2.0 ... 4.0	53
IPD25CN10N G	SP000096456	D-PAK	100	25	2.0 ... 4.0	35
IPD33CN10N G	SP000096458	D-PAK	100	33	2.0 ... 4.0	27
IPD49CN10N G	SP000096459	D-PAK	100	49	2.0 ... 4.0	20
IPD64CN10N G	SP000104810	D-PAK	100	64	2.0 ... 4.0	17
IPD78CN10N G	SP000096460	D-PAK	100	78	2.0 ... 4.0	13
▼ IPI04CN10N G	SP000398084	I ² -PAK	100	4.2	2.0 ... 4.0	100
▼ IPI05CN10N G	SP000208922	I ² -PAK	100	5.4	2.0 ... 4.0	100
▼ IPI06CN10N G	SP000208924	I ² -PAK	100	6.5	2.0 ... 4.0	100
▼ IPI08CN10N G	SP000208926	I ² -PAK	100	8.5	2.0 ... 4.0	95
▼ IPI12CN10N G	SP000208928	I ² -PAK	100	12.9	2.0 ... 4.0	67
▼ IPI16CN10N G	SP000208930	I ² -PAK	100	16.5	2.0 ... 4.0	53
▼ IPI26CN10N G	SP000208932	I ² -PAK	100	26	2.0 ... 4.0	35
▼ IPI35CN10N G	SP000208936	I ² -PAK	100	35	2.0 ... 4.0	27
▼ IPI50CN10N G	SP000208937	I ² -PAK	100	50	2.0 ... 4.0	20
▼ IPI80CN10N G	SP000208938	I ² -PAK	100	80	2.0 ... 4.0	13
▼ IPP04CN10N G	SP000311499	TO220	100	4.2	2.0 ... 4.0	100
▼ IPP05CN10L G	SP000308801	TO220	100	5.1	1.2 ... 2.4	100
IPP05CN10N G	SP000096461	TO220	100	5.4	2.0 ... 4.0	100
▼ IPP06CN10L G	SP000308789	TO220	100	6.2	1.2 ... 2.4	100
IPP06CN10N G	SP000096463	TO220	100	6.5	2.0 ... 4.0	100
▼ IPP08CN10L G	SP000308791	TO220	100	8.0	1.2 ... 2.4	98
IPP08CN10N G	SP000096465	TO220	100	8.5	2.0 ... 4.0	95

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS} V	$R_{DS(on)}$ mΩ	$V_{GS(th)}$ V	I_D A

Power Transistors

N-Channel MOSFETs

100 V

cont'd)

▼ IPP12CN10L G	SP000308792	TO220	100	12	1.2 ... 2.4	69
IPP12CN10N G	SP000096468	TO220	100	12.9	2.0 ... 4.0	67
▼ IPP16CN10L G	SP000308793	TO220	100	15.7	1.2 ... 2.4	54
IPP16CN10N G	SP000096469	TO220	100	16.5	2.0 ... 4.0	53
IPP26CN10N G	SP000096471	TO220	100	26	2.0 ... 4.0	35
▼ IPP35CN10N G	SP000096473	TO220	100	35	2.0 ... 4.0	27
IPP50CN10N G	SP000096474	TO220	100	50	2.0 ... 4.0	20
▼ IPP80CN10N G	SP000096475	TO220	100	80	2.0 ... 4.0	13
BSP372 L6327	SP000087064	SOT223	100	310@5V	0.8 ... 2.0	1.7
BSP296 L6327	SP000089209	SOT223	100	700	0.8 ... 1.8	1.1
BSP296 L6433	SP000089212	SOT223	100	700	0.8 ... 1.8	1.1
BSP123 L6327	SP000089202	SOT223	100	6000	0.8 ... 1.8	0.37
BSS119 L6327	SP000247290	SOT23	100	6000	1.3 ... 2.3	0.17
BSS119 L6433	SP000247291	SOT23	100	6000	1.3 ... 2.3	0.17
BSS123 L6327	SP000084574	SOT23	100	6000	0.8 ... 1.8	0.17
BSS123 L6433	SP000247292	SOT23	100	6000	0.8 ... 1.8	0.17

200 V

BUZ30A	SP000011336	TO220	200	130	2.1 ... 4.0	21
BUZ31	SP000011341	TO220	200	200	2.1 ... 4.0	14.5
BUZ31L	SP000011342	TO220	200	200	1.2 ... 2.0	13.5
BUZ73AL	SP000011375	TO220	200	200	1.2 ... 2.0	5.5
BUZ32	SP000011345	TO220	200	400	2.1 ... 4.0	9.5
BUZ73	SP000011372	TO220	200	400	2.1 ... 4.0	7.0
BUZ73L	SP000011374	TO220	200	400	1.2 ... 2.0	7.0
BUZ73A	SP000011373	TO220	200	600	2.1 ... 4.0	5.5
BUZ31 L3045A	SP000102175	D ² -PAK	200	200	2.1 ... 4.0	14.5
BUZ30A L3045A	SP000102176	D ² -PAK	200	400	2.1 ... 4.0	9.5
BUZ32 L3045A	SP000102174	D ² -PAK	200	400	2.1 ... 4.0	9.5
BUZ31 E3046	SP000011344	I ² -PAK	200	200	2.1 ... 4.0	14.5
BUZ73 E3046	SP000011963	I ² -PAK	200	400	2.1 ... 4.0	7.0
BUZ73A E3046	SP000011962	I ² -PAK	200	600	2.1 ... 4.0	5.5
SPD07N20	SP000077394	D-PAK	200	400	2.0 ... 4.0	7.0
BSP297 L6327	SP000089213	SOT223	200	1800	0.8 ... 1.8	0.66

240 V

BSP88 L6327	SP000089217	SOT223	240	6000	0.6 ... 1.4	0.35
BSP89 L6327	SP000089216	SOT223	240	6000	0.8 ... 1.8	0.35
BSS87 L6327	SP000095794	SOT89	240	6000	0.8 ... 1.8	0.26
BSS131 L6327	SP000247293	SOT23	240	14000	0.8 ... 1.8	0.11

400 V

BSP298 L6327	SP000088258	SOT223	400	3000	2.1 ... 4.0	0.50
BSP324 L6327	SP000089203	SOT223	400	25000	1.3 ... 2.3	0.17

SMD = Surface Mounted Device

Type	Ordering Code	Package	Data			
			V_{DS} V	$R_{DS(on)}$ mΩ	$V_{GS(th)}$ V	I_D A
Power Transistors						
N-Channel MOSFETs						
500 V						
▼ IPA50R140CP	SP000234988	TO220 FullPAK	500	140	2.5 ... 3.5	56
SPA21N50C3	SP000216364	TO220 FullPAK	500	190	2.1 ... 3.9	63
▼ IPA50R199CP	SP000236081	TO220 FullPAK	500	199	2.5 ... 3.5	40
▼ IPA50R250CP	SP000236080	TO220 FullPAK	500	250	2.5 ... 3.5	31
SPA16N50C3	SP000216351	TO220 FullPAK	500	280	2.1 ... 3.9	48
▼ IPA50R299CP	SP000236079	TO220 FullPAK	500	299	2.5 ... 3.5	26
▼ IPA50R350CP	SP000236078	TO220 FullPAK	500	350	2.5 ... 3.5	22
SPA12N50C3	SP000216322	TO220 FullPAK	500	380	2.1 ... 3.9	34.8
▼ IPA50R399CP	SP000234987	TO220 FullPAK	500	399	2.5 ... 3.5	20
▼ IPA50R520CP	SP000236076	TO220 FullPAK	500	520	2.5 ... 3.5	15
SPA08N50C3	SP000216306	TO220 FullPAK	500	600	2.1 ... 3.9	22.8
SPA04N50C3	SP000216298	TO220 FullPAK	500	950	2.1 ... 3.9	13.5
▼ IPB50R140CP	SP000212746	D ² -PAK	500	140	2.5 ... 3.5	23
SPB21N50C3	SP000013833	D ² -PAK	500	190	2.1 ... 3.9	21
▼ IPB50R199CP	SP000236092	D ² -PAK	500	199	2.5 ... 3.5	17
▼ IPB50R250CP	SP000236093	D ² -PAK	500	250	2.5 ... 3.5	13
SPB16N50C3	SP000014895	D ² -PAK	500	280	2.1 ... 3.9	16
▼ IPB50R299CP	SP000236094	D ² -PAK	500	299	2.5 ... 3.5	12
SPB12N50C3	SP000014894	D ² -PAK	500	380	2.1 ... 3.9	11.6
SPB04N50C3	SP000014477	D ² -PAK	500	950	2.1 ... 3.9	4.5
▼ IPD50R399CP	SP000234984	D-PAK	500	399	2.5 ... 3.5	9
▼ IPD50R520CP	SP000236063	D-PAK	500	520	2.5 ... 3.5	7
SPD08N50C3	SP000307395	D-PAK	500	600	2.1 ... 3.9	7.6
SPD04N50C3	SP000313945	D-PAK	500	950	2.1 ... 3.9	4.5
SPD03N50C3	SP000014289	D-PAK	500	1400	2.1 ... 3.9	3.2
SPD02N50C3	SP000014476	D-PAK	500	3000	2.1 ... 3.9	1.8
▼ SPD02N50C3	SP000313942	D-PAK	500	3000	2.1 ... 3.9	1.8
SPI21N50C3	SP000014463	I ² -PAK	500	190	2.1 ... 3.9	21
SPI16N50C3	SP000014470	I ² -PAK	500	280	2.1 ... 3.9	16
▼ IPI50R350CP	SP000236084	I ² -PAK	500	350	2.5 ... 3.5	10
SPI12N50C3	SP000014467	I ² -PAK	500	380	2.1 ... 3.9	11.6
▼ IPI50R399CP	SP000259979	I ² -PAK	500	399	2.5 ... 3.5	9
SPI08N50C3	SP000014461	I ² -PAK	500	600	2.1 ... 3.9	7.6
▼ IPP50R140CP	SP000234986	TO220	500	140	2.5 ... 3.5	23
SPP21N50C3	SP000013832	TO220	500	190	2.1 ... 3.9	21
▼ IPP50R199CP	SP000236074	TO220	500	199	2.5 ... 3.5	17
▼ IPP50R250CP	SP000236071	TO220	500	250	2.5 ... 3.5	13
SPP16N50C3	SP000014460	TO220	500	280	2.1 ... 3.9	16
▼ IPP50R299CP	SP000236070	TO220	500	299	2.5 ... 3.5	12
▼ IPP50R350CP	SP000236069	TO220	500	350	2.5 ... 3.5	10
SPP12N50C3	SP000014459	TO220	500	380	2.1 ... 3.9	11.6
▼ IPP50R399CP	SP000234985	TO220	500	399	2.5 ... 3.5	9
▼ IPP50R520CP	SP000236068	TO220	500	520	2.5 ... 3.5	7
SPP08N50C3	SP000013834	TO220	500	600	2.1 ... 3.9	7.6
SPP04N50C3	SP000014478	TO220	500	950	2.1 ... 3.9	4.5
▼ IPS50R520CP	SP000236067	I-PAK SL	500	520	2.5 ... 3.5	7

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS} V	$R_{DS(on)}$ mΩ	$V_{GS(th)}$ V	I_D A

Power Transistors

N-Channel MOSFETs

500 V

(cont'd)

SPW52N50C3	SP000014626	TO247	500	70	2.1 ... 3.9	52
SPW32N50C3	SP000014625	TO247	500	110	2.1 ... 3.9	32
▼ IPW50R140CP	SP000234989	TO247	500	140	2.5 ... 3.5	23
SPW21N50C3	SP000014464	TO247	500	190	2.1 ... 3.9	21
▼ IPW50R199CP	SP000236096	TO247	500	199	2.5 ... 3.5	17
▼ IPW50R250CP	SP000301162	TO247	500	250	2.5 ... 3.5	13
SPW16N50C3	SP000014472	TO247	500	280	2.1 ... 3.9	16
▼ IPW50R299CP	SP000301163	TO247	500	299	2.5 ... 3.5	12
▼ IPW50R350CP	SP000301164	TO247	500	350	2.5 ... 3.5	10
SPW12N50C3	SP000014469	TO247	500	380	2.1 ... 3.9	11.6
▼ IPW50R399CP	SP000259980	TO247	500	399	2.5 ... 3.5	9
BSP299 L6327	SP000089200	SOT223	500	4000	2.1 ... 4.0	0.40

600 V

IPA60R125CP	SP000095275	TO220 FullPAK	600	125	2.5 ... 3.5	25
IPA60R165CP	SP000096437	TO220 FullPAK	600	165	2.5 ... 3.5	21
SPA20N60C3	SP000216354	TO220 FullPAK	600	190	2.1 ... 3.9	20.7
IPA60R199CP	SP000094146	TO220 FullPAK	600	199	2.5 ... 3.5	16
SPA20N60CFD	SP000216361	TO220 FullPAK	600	220	3.0 ... 5.0	20.7
▼ IPA60R250CP	SP000310226	TO220 FullPAK	600	250	2.5 ... 3.5	12
SPA15N60C3	SP000216325	TO220 FullPAK	600	280	2.1 ... 3.9	15
IPA60R299CP	SP000096438	TO220 FullPAK	600	299	2.5 ... 3.5	11
▼ SPA15N60CFD	SP000264432	TO220 FullPAK	600	330	3.0 ... 5.0	15
SPA11N60C3	SP000216312	TO220 FullPAK	600	380	2.1 ... 3.9	11
IPA60R385CP	SP000089316	TO220 FullPAK	600	385	2.5 ... 3.5	9
SPA11N60CFD	SP000216317	TO220 FullPAK	600	440	3.0 ... 5.0	11
SPA07N60C3	SP000216303	TO220 FullPAK	600	600	2.1 ... 3.9	7.3
▼ SPA07N60CFD	SP000264431	TO220 FullPAK	600	700	3.0 ... 5.0	6.6
SPA06N60C3	SP000216301	TO220 FullPAK	600	750	2.1 ... 3.9	6.2
SPA04N60C3	SP000216299	TO220 FullPAK	600	950	2.1 ... 3.9	4.5
SPA03N60C3	SP000216296	TO220 FullPAK	600	1400	2.1 ... 3.9	3.2
IPB60R099CP	SP000088490	D ² -PAK	600	99	2.5 ... 3.5	31
▼ IPB60R125CP	SP000297368	D ² -PAK	600	125	2.5 ... 3.5	25
IPB60R165CP	SP000096439	D ² -PAK	600	165	2.5 ... 3.5	21
SPB20N60C3	SP000013520	D ² -PAK	600	190	2.1 ... 3.9	20.7
IPB60R199CP	SP000223256	D ² -PAK	600	199	2.5 ... 3.5	16
▼ IPB60R250CP	SP000358140	D ² -PAK	600	250	2.5 ... 3.5	12
▼ IPB60R299CP	SP000301161	D ² -PAK	600	299	2.5 ... 3.5	11
SPB11N60C3	SP000013519	D ² -PAK	600	380	2.1 ... 3.9	11
IPB60R385CP	SP000228365	D ² -PAK	600	385	2.5 ... 3.5	9
SPB07N60C3	SP000013518	D ² -PAK	600	600	2.1 ... 3.9	7.3
SPB04N60C3	SP000013533	D ² -PAK	600	950	2.1 ... 3.9	4.5
SPB03N60C3	SP000013517	D ² -PAK	600	1400	2.1 ... 3.9	3.2
SPB02N60C3	SP000013516	D ² -PAK	600	3000	2.1 ... 3.9	1.8

SMD = Surface Mounted Device

Type	Ordering Code	Package	Data			
			V_{DS} V	$R_{DS(on)}$ mΩ	$V_{GS(th)}$ V	I_D A

Power Transistors

N-Channel MOSFETs
600 V

IPD60R385CP	SP000062533	D-PAK	600	385	2.5 ... 3.5	9
SPD07N60C3	SP000077605	D-PAK	600	600	2.1 ... 3.9	7.3
▼ SPD06N60C3	SP000307394	D-PAK	600	750	2.1 ... 3.9	6.2
SPD04N60C3	SP000313944	D-PAK	600	950	2.1 ... 3.9	4.5
SPD03N60C3	SP000308772	D-PAK	600	1400	2.1 ... 3.9	3.2
SPD02N60C3	SP000308771	D-PAK	600	3000	2.1 ... 3.9	1.8
SPD01N60C3	SP000307382	D-PAK	600	6000	2.1 ... 3.9	0.8
▼ IPI60R099CP	SP000297356	I ² -PAK	600	99	2.5 ... 3.5	31
▼ IPI60R125CP	SP000297355	I ² -PAK	600	125	2.5 ... 3.5	25
▼ IPI60R165CP	SP000276736	I ² -PAK	600	165	2.5 ... 3.5	21
SPI20N60C3	SP000014453	I ² -PAK	600	190	2.1 ... 3.9	20.7
IPI60R199CP	SP000103248	I ² -PAK	600	199	2.5 ... 3.5	16
▼ SPI20N60CFD	SP000229995	I ² -PAK	600	220	3.0 ... 5.0	20.7
▼ IPI60R250CP	SP000358141	I ² -PAK	600	250	2.5 ... 3.5	12
SPI15N60C3	SP000014528	I ² -PAK	600	280	2.1 ... 3.9	15
IPI60R299CP	SP000103249	I ² -PAK	600	299	2.5 ... 3.5	11
▼ SPI15N60CFD	SP000264433	I ² -PAK	600	330	3.0 ... 5.0	15
SPI11N60C3	SP000013522	I ² -PAK	600	380	2.1 ... 3.9	11
IPI60R385CP	SP000103250	I ² -PAK	600	385	2.5 ... 3.5	9
▼ SPI11N60CFD	SP000229994	I ² -PAK	600	440	3.0 ... 5.0	11
SPI07N60C3	SP000013521	I ² -PAK	600	600	2.1 ... 3.9	7.3
▼ SPN03N60C3	SP000101879	SOT223	600	1400	2.1 ... 3.9	0.7
SPN02N60C3	SP000014454	SOT223	600	3000	2.1 ... 3.9	0.4
SPN01N60C3	SP000012411	SOT223	600	6000	2.1 ... 3.9	0.3
BSP125 L6327	SP000089204	SOT223	600	45000	1.3 ... 2.3	0.12
BSP125 L6433	SP000089211	SOT223	600	45000	1.3 ... 2.3	0.12
IPP60R099CP	SP000057021	TO220	600	99	2.5 ... 3.5	31
IPP60R125CP	SP000088488	TO220	600	125	2.5 ... 3.5	25
SPP24N60C3	SP000014690	TO220	600	160	2.1 ... 3.9	24.3
IPP60R165CP	SP000084279	TO220	600	165	2.5 ... 3.5	21
▼ SPP24N60CFD	SP000264426	TO220	600	185	3.0 ... 5.0	20
SPP20N60C3	SP000013527	TO220	600	190	2.1 ... 3.9	20.7
IPP60R199CP	SP000084278	TO220	600	199	2.5 ... 3.5	16
SPP20N60CFD	SP000014475	TO220	600	220	3.0 ... 5.0	20
▼ IPP60R250CP	SP000358136	TO220	600	250	2.5 ... 3.5	12
SPP15N60C3	SP000014527	TO220	600	280	2.1 ... 3.9	15
IPP60R299CP	SP000084280	TO220	600	299	2.5 ... 3.5	11
▼ SPP15N60CFD	SP000264425	TO220	600	330	3.0 ... 5.0	15
SPP11N60C3	SP000013526	TO220	600	380	2.1 ... 3.9	11
IPP60R385CP	SP000082281	TO220	600	385	2.5 ... 3.5	9
SPP11N60CFD	SP000014533	TO220	600	385	3.0 ... 5.0	9
SPP07N60C3	SP000013525	TO220	600	440	2.1 ... 3.9	11
▼ SPP07N60CFD	SP000264424	TO220	600	600	3.0 ... 5.0	7.3
SPP06N60C3	SP000014697	TO220	600	600	2.1 ... 3.9	7.3
SPP04N60C3	SP000013534	TO220	600	720	2.1 ... 3.9	7.2
SPP03N60C3	SP000013524	TO220	600	750	2.1 ... 3.9	6.2
SPP02N60C3	SP000013523	TO220	600	950	2.1 ... 3.9	4.5

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS} V	$R_{DS(on)}$ mΩ	$V_{GS(th)}$ V	I_D A

Power Transistors

N-Channel MOSFETs

600 V

(cont'd)

▼ SPS04N60C3	SP000307419	I-PAK SL	600	950	2.1 ... 3.9	4.5
▼ SPS03N60C3	SP000307418	I-PAK SL	600	1400	2.1 ... 3.9	3.2
▼ SPS02N60C3	SP000235878	I-PAK SL	600	3000	2.1 ... 3.9	1.8
▼ SPS01N60C3	SP000307396	I-PAK SL	600	6000	2.1 ... 3.9	0.8
SPU04N60C3	SP000095850	I-PAK	600	950	2.1 ... 3.9	4.5
▼ SPU03N60C3	SP000095849	I-PAK	600	1400	2.1 ... 3.9	3.2
SPU02N60C3	SP000015064	I-PAK	600	3000	2.1 ... 3.9	1.8
SPU01N60C3	SP000012110	I-PAK	600	6000	2.1 ... 3.9	0.8
IPW60R045CP	SP000067149	TO247	600	45	2.5 ... 3.5	60
SPW47N60C3	SP000013953	TO247	600	70	2.1 ... 3.9	47
▼ IPW60R075CP	SP000358192	TO247	600	75	2.5 ... 3.5	39
SPW47N60CFD	SP000065376	TO247	600	80	3.0 ... 5.0	46
IPW60R099CP	SP000067147	TO247	600	99	2.5 ... 3.5	31
SPW35N60C3	SP000014970	TO247	600	100	2.1 ... 3.9	34.6
SPW35N60CFD	SP000065487	TO247	600	115	3.0 ... 5.0	34.1
IPW60R125CP	SP000088489	TO247	600	125	2.5 ... 3.5	25
SPW24N60C3	SP000014695	TO247	600	160	2.1 ... 3.9	24.3
IPW60R165CP	SP000095483	TO247	600	165	2.5 ... 3.5	21
▼ SPW24N60CFD	SP000264428	TO247	600	185	3.0 ... 5.0	24
SPW20N60C3	SP000013729	TO247	600	190	2.1 ... 3.9	20.7
IPW60R199CP	SP000089802	TO247	600	199	2.5 ... 3.5	16
SPW20N60CFD	SP000014535	TO247	600	220	3.0 ... 5.0	20.7
▼ IPW60R250CP	SP000310511	TO247	600	250	2.5 ... 3.5	12
SPW15N60C3	SP000014530	TO247	600	280	2.1 ... 3.9	15
IPW60R299CP	SP000103251	TO247	600	299	2.5 ... 3.5	11
▼ SPW15N60CFD	SP000264429	TO247	600	330	3.0 ... 5.0	15
SPW11N60C3	SP000013728	TO247	600	380	2.1 ... 3.9	11
SPW11N60CFD	SP000014534	TO247	600	440	3.0 ... 5.0	11
▼ SPW07N60CFD	SP000264430	TO247	600	700	3.0 ... 5.0	6.6
BSS225 L6327	SP000095776	SOT89	600	45000	1.3 ... 2.3	0.09
BSS127 L6327	SP000247305	SOT23	600	500000	1.4 ... 2.6	0.023

SMD = Surface Mounted Device

Type	Ordering Code	Package	Data			
			V_{DS} V	$R_{DS(on)}$ mΩ	$V_{GS(th)}$ V	I_D A

Power Transistors**N-Channel MOSFETs
650 V**

SPA20N65C3	SP000216362	TO220 FullPAK	650	190	2.1 ... 3.9	20.7
▼ SPA15N65C3	SP000293730	TO220 FullPAK	650	280	2.1 ... 3.9	15
SPA11N65C3	SP000216318	TO220 FullPAK	650	380	2.1 ... 3.9	11
SPA07N65C3	SP000216305	TO220 FullPAK	650	600	2.1 ... 3.9	7.3
SPI20N65C3	SP000014525	I ² -PAK	650	190	2.1 ... 3.9	20.7
▼ SPI15N65C3	SP000294825	I ² -PAK	650	280	2.1 ... 3.9	15
SPI11N65C3	SP000014526	I ² -PAK	650	380	2.1 ... 3.9	11
SPI07N65C3	SP000014632	TO220	650	600	2.1 ... 3.9	7.3
SPP20N65C3	SP000014369	TO220 FullPAK	650	190	2.1 ... 3.9	20.7
▼ SPP15N65C3	SP000294824	TO220 FullPAK	650	280	2.1 ... 3.9	15
SPP11N65C3	SP000014371	TO220 FullPAK	650	380	2.1 ... 3.9	11
SPP07N65C3	SP000014631	TO220 FullPAK	650	600	2.1 ... 3.9	7.3
▼ SPW47N65C3	SP000274751	TO247	650	70	2.1 ... 3.9	47

800 V

BSP300 L6327	SP000089201	SOT223	800	20	2.1 ... 4.0	0.19
SPA17N80C3	SP000216353	TO220 FullPAK	800	290	2.1 ... 3.9	17
SPA11N80C3	SP000216320	TO220 FullPAK	800	450	2.1 ... 3.9	11
SPA08N80C3	SP000216310	TO220 FullPAK	800	650	2.1 ... 3.9	8
SPA06N80C3	SP000216302	TO220 FullPAK	800	900	2.1 ... 3.9	6
SPA04N80C3	SP000216300	TO220 FullPAK	800	1300	2.1 ... 3.9	4
SPA02N80C3	SP000216295	TO220 FullPAK	800	2700	2.1 ... 3.9	2
SPB17N80C3	SP000013370	D ² -PAK	800	290	2.1 ... 3.9	17
SPD06N80C3	SP000318350	D-PAK	800	900	2.1 ... 3.9	6
SPD04N80C3	SP000315410	D-PAK	800	1300	2.1 ... 3.9	4
▼ SPD02N80C3	SP000315409	D-PAK	800	2700	2.1 ... 3.9	2
SPI08N80C3	SP000014819	I ² -PAK	800	650	2.1 ... 3.9	8
SPP17N80C3	SP000013356	TO220	800	290	2.1 ... 3.9	17
SPP11N80C3	SP000013701	TO220	800	450	2.1 ... 3.9	11
SPP08N80C3	SP000013704	TO220	800	650	2.1 ... 3.9	8
SPP06N80C3	SP000013366	TO220	800	900	2.1 ... 3.9	6
SPP04N80C3	SP000013706	TO220	800	1300	2.1 ... 3.9	4
SPP02N80C3	SP000013732	TO220	800	2700	2.1 ... 3.9	2
SPW17N80C3	SP000013369	TO247	800	290	2.1 ... 3.9	17
SPW11N80C3	SP000013703	TO247	800	450	2.1 ... 3.9	11

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	mΩ	V	A

Power Transistors

N-Channel MOSFETs 900 V

▼ IPA90R340C3	on request	TO220 FullPAK	900	340	2.5 ... 3.5	6
▼ IPA90R500C3	SP000413716	TO220 FullPAK	900	500	2.5 ... 3.5	10
▼ IPA90R800C3	SP000413718	TO220 FullPAK	900	800	2.5 ... 3.5	4
▼ IPA90R1K0C3	SP000413712	TO220 FullPAK	900	1000	2.5 ... 3.5	3
▼ IPA90R1K2C3	on request	TO220 FullPAK	900	1200	2.5 ... 3.5	3.1
▼ IPD90R1K2C3	SP000413720	D-PAK	900	1200	2.5 ... 3.5	5.1
▼ IPI90R500C3	SP000413728	I ² -PAK	900	500	2.5 ... 3.5	67
▼ IPI90R800C3	SP000413730	I ² -PAK	900	800	2.5 ... 3.5	42
▼ IPI90R1K0C3	SP000413722	I ² -PAK	900	1000	2.5 ... 3.5	34
▼ IPI90R1K2C3	on request	I ² -PAK	900	1200	2.5 ... 3.5	29
▼ IPP90R340C3	SP000411304	TO220	900	340	2.5 ... 3.5	15
▼ IPP90R500C3	SP000413746	TO220	900	500	2.5 ... 3.5	10
▼ IPP90R800C3	SP000413748	TO220	900	800	2.5 ... 3.5	6.7
▼ IPP90R1K0C3	SP000413744	TO220	900	1000	2.5 ... 3.5	5.8
▼ IPP90R1K2C3	SP000411302	TO220	900	1200	2.5 ... 3.5	5.1
▼ IPW90R120C3	SP000413750	TO247	900	120	2.5 ... 3.5	36
▼ IPW90R340C3	SP000411306	TO247	900	340	2.5 ... 3.5	15
▼ IPW90R500C3	SP000413756	TO247	900	500	2.5 ... 3.5	10
▼ IPW90R800C3	SP000413758	TO247	900	800	2.5 ... 3.5	6.7
▼ IPW90R1K0C3	SP000413752	TO247	900	1000	2.5 ... 3.5	5.8
▼ IPW90R1K2C3	SP000413754	TO247	900	1200	2.5 ... 3.5	5.1

SMD = Surface Mounted Device

Type	Ordering Code	Package	Data			
			V_{DS} V	$R_{DS(on)}$ mΩ	$V_{GS(th)}$ V	I_D A

Power Transistors**P-Channel MOSFETs****-250 V**

BSP317P L6327	SP000089220	SOT223	-250	4000	-2.0 ... -1.0	-0.43
BSP92P L6327	SP000089223	SOT223	-250	12000	-2.0 ... -1.0	-0.26
▼ BSR92P L6327	SP000265408	SC59	-250	11000	-2.0 ... -1.0	-0.14
BSS192P L6327	SP000095795	SOT89	-250	12000	-2.0 ... -0.8	-0.19

-100 V

▼ BSP322P L6327	SP000212229	SOT223	-100	800	-2.0 ... -1.0	-1
▼ BSP321P L6327	SP000212228	SOT223	-100	900	-4.0 ... -2.1	-0.98
BSP316P L6327	SP000089222	SOT223	-100	1800	-2.0 ... -1.0	-0.68
▼ BSR316P L6327	SP000265407	SC59	-100	1800	-2.0 ... -1.0	-0.36
▼ SPD15P06PL G	SP000317393	D-PAK	-100	200	-2.0 ... -1.0	-15
▼ SPD15P06P G	SP000212233	D-PAK	-100	240	-4.0 ... -2.1	-15
▼ SPD04P06PL G	SP000212231	D-PAK	-100	850	-2.0 ... -1.0	-4.2
▼ SPD04P06P G	SP000212230	D-PAK	-100	1000	-4.0 ... -2.1	-4.0
▼ SPP15P10PL G	SP000212234	TO220	-100	200	-2.0 ... -1.0	-15
SPP15P10P G	SP000212313	TO220	-100	240	-4.0 ... -2.1	-15

-60 V

BSP315P L6327	SP000089221	SOT223	-60	800	-2.0 ... -1.0	-1.17
BSS83P L6327	SP000247311	SOT223	-60	2000	-2.0 ... -1.0	-0.33
BSS84P L6327	SP000082879	SOT223	-60	8000	-2.0 ... -1.0	-0.17
BSS84P L6433	SP000247309	SOT223	-60	8000	-2.0 ... -1.0	-0.17
▼ BSR315P L6327	SP000265405	SC59	-60	800	-2.0 ... -1.0	-0.62
BSS84PW L6327	SP000247312	SOT323	-60	8000	-2.0 ... -1.0	-0.15
SPB80P06P G	SP000096088	D ² -PAK	-60	23	-4.0 ... -2.1	-80
SPB18P06P G	SP000102181	D ² -PAK	-60	130	-4.0 ... -2.1	-18.6
SPB08P06P G	SP000102179	D ² -PAK	-60	300	-4.0 ... -2.1	-8.8
SPD30P06P G	SP000077529	D-PAK	-60	75	-4.0 ... -2.1	-30
SPD18P06P G	SP000077440	D-PAK	-60	130	-4.0 ... -2.1	-18.6
SPD09P06PL G	SP000077442	D-PAK	-60	250	-2.0 ... -1.0	-9.7
SPD08P06P G	SP000096087	D-PAK	-60	300	-4.0 ... -2.1	-8.8
SPP80P06P	SP000012840	TO220	-60	23	-4.0 ... -2.1	-80
SPP18P06P	SP000012300	TO220	-60	130	-4.0 ... -2.1	-18.6
SPP08P06P	SP000012085	TO220	-60	300	-4.0 ... -2.1	-8.8
SPU30P06P	SP000012844	I-PAK	-60	75	-4.0 ... -2.1	-30
SPU18P06P	SP000012303	I-PAK	-60	130	-4.0 ... -2.1	-18.6
SPU09P06PL	SP000012876	I-PAK	-60	250	-2.0 ... -1.0	-9.7
SPU08P06P	SP000012086	I-PAK	-60	300	-4.0 ... -2.1	-8.8

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	mΩ	V	A

Power Transistors

P-Channel MOSFETs

-30 V

▼ BSC080P03LS G	SP000359664	SuperSO8	-30	8	-1.0 ... -2.0	-30
▼ BSC130P03LS G	SP000359666	SuperSO8	-30	13	-1.0 ... -2.0	-22.5
▼ BSC200P03LS G	SP000359668	SuperSO8	-30	20	-1.0 ... -2.0	-12.5
BSL307SP L6327	SP000095798	TSOP6	-30	43	-2.0 ... -1.0	-5.5
BSO080P03S	SP000014958	SO-8	-30	8	-2.2 ... -1.0	-14.9
BSO301SP	SP000012583	SO-8	-30	8	-2.0 ... -1.0	-14.9
BSO130P03S	SP000014729	SO-8	-30	13	-2.2 ... -1.0	-11.3
BSO200P03S	SP000014959	SO-8	-30	20	-2.2 ... -1.0	-9.1
BSO303P	SP000012622	SO-8 dual	-30	21	-2.0 ... -1.0	-8.2
BSO303SP	SP000014019	SO-8	-30	21	-2.0 ... -1.0	-8.9
▼ SPD50P03L G	SP000371908	D-PAK 5pin	-30	7	-2.0 ... -1.0	-50

-20 V

BSO201SP	SP000012578	SO-8	-20	8	-1.2 ... -0.6	-14.9
BSO203P	SP000012572	SO-8 dual	-20	21	-1.2 ... -0.6	-8.2
BSO203SP	SP000012579	SO-8	-20	21	-1.2 ... -0.6	-9
BSO204P	SP000013487	SO-8 dual	-20	30	-1.2 ... -0.6	-7
BSO207P	SP000012573	SO-8 dual	-20	45	-1.2 ... -0.6	-5.7
BSO211P	SP000012623	SO-8 dual	-20	67	-1.2 ... -0.6	-4.7
BSL207SP	SP000095796	TSOP6	-20	41	-1.2 ... -0.6	-6
BSL211SP	SP000095797	TSOP6	-20	67	-1.2 ... -0.6	-4.7
BSS209PW L6327	SP000245422	SOT323	-20	550	-1.2 ... -0.6	-0.58
BSS223PW L6327	SP000245423	SOT323	-20	1200	-1.2 ... -0.6	-0.39
BSV236SP L6327	SP000245421	SOT363	-20	175	-1.2 ... -0.6	-1.5
BSD223P L6327	SP000245417	SOT363 dual	-20	1200	-1.2 ... -0.6	-0.39

SMD = Surface Mounted Device

Type	Ordering Code	Package	Data			
			V_{DS} V	$R_{DS(on)}$ m Ω	$V_{GS(th)}$ V	I_D A

Power Transistors**Complementary MOSFETs
60 V**

BSS123CV G	SP000216307	SO-8	60	120	2.1 ... 4.0	3
			-60	30	-4.0 ... -2.1	-2.0

-60 V

BSO615C G	SP000216311	SO-8	-60	300	-2.1 ... -1.0	-2
			60	110	1.2 ... 2.0	3.1

**Depletion MOSFETs
60 V**

BSS159N L6327	SP000247297	SOT23	60	8000	-3.5 ... -2.4	0.13
BSS159N L6906	SP000247298	SOT23	60	8000	-3.5 ... -2.4	0.13

100 V

BSS169 L6327	SP000247299	SOT23	100	12000	-2.9 ... -1.8	0.09
BSS169 L6906	SP000247300	SOT23	100	12000	-2.9 ... -1.8	0.09

200 V

BSP149 L6327	SP000089214	SOT223	200	3500	-2.1 ... -1.0	0.14
BSP149 L6906	SP000089215	SOT223	200	3500	-2.1 ... -1.0	0.14

240 V

BSP129 L6327	SP000089218	SOT223	240	6000	-2.1 ... -1.0	0.05
BSP129 L6906	SP000089219	SOT223	240	6000	-2.1 ... -1.0	0.05

250 V

BSS139 L6327	SP000247295	SOT23	250	30000	-2.1 ... -1.0	0.03
BSS139 L6906	SP000247296	SOT23	250	30000	-2.1 ... -1.0	0.03

600 V

BSP135 L6327	SP000089206	SOT223	600	6000	-2.1 ... -1.0	0.02
BSP135 E6906	SP000055417	SOT223	600	6000	-2.1 ... -1.0	0.02
BSS126 L6327	SP000247303	SOT23	600	700000	-2.7 ... -1.6	0.007
BSS126 L6906	SP000247304	SOT23	600	700000	-2.7 ... -1.6	0.007

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{CE}	I_C	P_{tot}	R_{thJC}
			V	A	W	K/W

Power Transistors

IGBT Power Transistors 600 V

SGB02N60	SP000011978	PG-TO263-3-2	600	2	50	≤4.2
SGB04N60	SP000011979	PG-TO263-3-2	600	4	50	≤2.5
SGB06N60	SP000011980	PG-TO263-3-2	600	6	70	≤1.85
SGB10N60A	SP000013790	PG-TO263-3-2	600	10	92	1.35
SGB15N60	SP000011983	PG-TO263-3-2	600	15	135	≤0.9
SGB15N60 E3261	SP000011982	PG-TO263-3-2	600	15	135	≤0.9
SGB20N60	SP000011984	PG-TO263-3-2	600	20	175	≤0.7
SGB30N60	SP000011985	PG-TO263-3-2	600	30	250	≤0.5
SGD02N60	SP000011993	PG-TO252-3-1	600	2	30	≤4.2
SGD04N60	SP000011994	PG-TO252-3-1	600	4	50	≤2.5
SGD06N60	SP000011995	PG-TO252-3-1	600	6	70	≤1.85
SGP02N60	SP000011986	PG-TO220-3-1	600	2	50	≤4.2
SGP04N60	SP000011987	PG-TO220-3-1	600	4	50	≤2.5
SGP06N60	SP000011988	PG-TO220-3-1	600	6	70	≤1.85
SGP10N60	SP000011989	PG-TO220-3-1	600	10	125	≤1.0
SGP10N60A	SP000013743	PG-TO220-3-1	600	10	92	1.35
SGP15N60	SP000011990	PG-TO220-3-1	600	15	135	≤0.9
SGP20N60	SP000011991	PG-TO220-3-1	600	20	175	≤0.7
SGP30N60	SP000011992	PG-TO220-3-1	600	30	250	≤0.5
SGW10N60	SP000012464	PG-TO247-3-21	600	10	104	≤1.2
SGW10N60A	SP000013742	PG-TO247-3-21	600	10	92	1.35
SGW15N60	SP000012465	PG-TO247-3-21	600	15	138	≤0.9
SGW20N60	SP000012466	PG-TO247-3-21	600	20	178	≤0.7
SGW30N60	SP000012467	PG-TO247-3-21	600	30	250	≤0.5

1200 V

BUP212	SP000011971	PG-TO220-3-1	1200	22	125	≤1.0
BUP212 E3045A	SP000013752	PG-TO263-3-2	1200	22	125	≤1.0
BUP213	SP000011326	PG-TO220-3-1	1200	30	200	≤0.63
BUP213 E3045A	SP000012387	PG-TO263-3-2	1200	30	200	≤0.63
BUP311 D	SP000011954	P-TO218-3-1	1200	12	125	≤1.0
BUP313	SP000011327	P-TO218-3-1	1200	30	200	≤0.63
BUP313 D	SP000011328	P-TO218-3-1	1200	32	200	≤0.63
BUP314	SP000011329	P-TO218-3-1	1200	52	300	≤0.42
BUP314 D	SP000011330	P-TO218-3-1	1200	42	300	≤0.42
SGB02N120	SP000012558	PG-TO263-3-2	1200	12	125	≤1.0
SGB07N120	SP000012559	PG-TO263-3-2	1200	7	125	≤1.0
SGB15N120	SP000012560	PG-TO263-3-2	1200	15	198	≤0.63
SGD02N120	SP000012566	PG-TO252-3-1	1200	2	62	≤2.0
SGL 02N120	SP000012885	PG-TO262-3-1	1200	2	62	≤2.0
SGP02N120	SP000012561	PG-TO220-3-1	1200	2	62	≤2.0
SGP07N120	SP000012562	PG-TO220-3-1	1200	7	125	≤1.0
SGP15N120	SP000012563	PG-TO220-3-1	1200	15	198	≤0.63
SGW15N120	SP000012564	PG-TO247-3-21	1200	15	198	≤0.63
SGW25N120	SP000012565	PG-TO247-3-21	1200	25	313	≤0.4
▼ SGW25N120 E8161	SP000237274	PG-TO247-3-21	1200	25	313	≤0.4

SMD = Surface Mounted Device

Type	Ordering Code	Package	Data			
			V_{CE}	I_C	P_{tot}	R_{thJC}
			V	A	W	K/W

Power Transistors**IGBT Power Transistors****Fast DuoPack (IGBT + EmCon Diode)****600 V**

SKA 06N60	SP000215379	PG-TO220-3-1	600	6	32	≤3.9
SKB02N60	SP000012416	PG-TO263-3-2	600	2	30	≤4.2
SKB02N60 E3266	SP000012417	PG-TO263-3-2	600	2	30	≤4.2
SKB04N60	SP000012425	PG-TO263-3-2	600	4	50	≤2.5
SKB06N60	SP000012427	PG-TO263-3-2	600	6	68	≤1.85
SKB10N60	SP000012420	P-TO263-3-2	600	10	92	≤1.35
SKB100N60A	SP000013740	PG-TO263-3-2	600	10	92	≤1.35
SKB15N60	SP000012429	PG-TO263-3-2	600	15	139	≤0.9
▼ SKB15N60A	SP000235220	PG-TO263-3-2	600	15	139	≤0.9
SKB15N60 E8151	SP000012430	PG-TO263-3-2	600	15	139	≤0.9
SKP02N60	SP000012421	PG-TO220-3-1	600	2	30	≤4.2
SKP04N60	SP000012418	PG-TO220-3-1	600	4	50	≤2.5
SKP06N60	SP000012426	PG-TO220-3-1	600	6	68	≤1.85
SKP10N60A	SP000013739	PG-TO220-3-1	600	10	92	≤1.35
SKP15N60	SP000012428	PG-TO220-3-1	600	15	139	≤0.9
SKW10N60	SP000012481	PG-TO247-3-21	600	10	92	≤1.35
SKW10N60A	SP000013741	PG-TO247-3-21	600	10	92	≤1.35
SKW15N60	SP000012482	PG-TO247-3-21	600	15	139	≤0.9
SKW20N60	SP000012483	PG-TO247-3-21	600	20	179	≤0.7
SKW30N60	SP000012484	PG-TO247-3-21	600	30	250	≤0.5

Fast DuoPack (IGBT + EmCon Diode)**1200 V**

SKB02N120	SP000012567	PG-TO263-3-2	1200	2	62	≤2.0
SKP02N120	SP000012568	PG-TO220-3-1	1200	2	62	≤2.0
SKW07N120	SP000012569	PG-TO247-3-21	1200	8	125	≤1.0
▼ SKW07N120 E8161	SP000237275	PG-TO247-3-21	1200	8	125	≤1.0
SKW15N120	SP000012570	PG-TO247-3-21	1200	15	198	≤0.63
SKW25N120	SP000012571	PG-TO247-3-21	1200	25	313	≤0.4
▼ SKW25N120 E8161	SP000237276	PG-TO247-3-21	1200	25	313	≤0.4

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{CE} V	I_C A	P_{tot} W	R_{thJC} K/W

Power Transistors

IGBT Power Transistors

High Speed 600 V

SGB15N60HS	SP000056421	P-TO263-3-2	600	15	138	≤0.9
SGB15N60HS	SP000014134	PG-TO263-3-2	600	15	138	≤0.9
SGP20N60HS	SP000013838	PG-TO220-3-1	600	20	178	≤0.7
SGP30N60HS	SP000013839	PG-TO220-3-1	600	30	250	≤0.5
SGW20N60HS	SP000013771	PG-TO247-3-21	600	20	178	≤0.7
SGW30N60HS	SP000013770	PG-TO247-3-21	600	30	250	≤0.5
SGW50N60HS	SP000089248	PG-TO247-3-21	600	50	416	≤0.3

High Speed-2 1200 V

IGA03N120H2	SP000215371	PG-TO220-3-31	1200	3	29	≤4.3
IGA03N120H2 E8153	SP000215372	PG-TO220-3-34	1200	3	29	≤4.3
IGB01N120H2	SP000014614	PG-TO263-3-2	1200	1	28	≤4.5
IGB03N120H2	SP000014616	PG-TO263-3-2	1200	3	62.5	≤2.0
IGD01N120H2	SP000014523	PG-TO252-3-1	1200	1	28	≤4.5
IGP01N120H2	SP000014615	PG-TO220-3-1	1200	1	28	≤4.5
IGP03N120H2	SP000014617	PG-TO220-3-1	1200	3	62.5	≤2.0
IGW03N120H2	SP000014182	PG-TO247-3-21	1200	3	62.5	≤2.0

High Speed DuoPack (IGBT + EmCon Diode) 600 V

SKB06N60HS	SP000014222	PG-TO263-3-2	600	6	68	≤1.85
SKB15N60HS	SP000014221	PG-TO263-3-2	600	15	138	≤0.90
SKW20N60HS	SP000013772	PG-TO247-3-21	600	20	178	≤0.70
SKW30N60HS	SP000013744	PG-TO247-3-21	600	30	250	≤0.50

High Speed-2 DuoPack (IGBT + EmCon Diode) 1200 V

IKA03N120H2	SP000215373	PG-TO220-3-31	1200	3	29	≤4.30
IKA03N120H2 E8153	SP000215374	PG-TO220-3-34	1200	3	29	≤4.30
IKB01N120H2	SP000014271	PG-TO263-3-2	1200	1	28	≤4.50
IKB03N120H2	SP000014272	PG-TO263-3-2	1200	3	62.5	≤2.00
IKP01N120H2	SP000014179	PG-TO220-3-1	1200	1	28	≤4.50
IKP03N120H2	SP000014180	PG-TO220-3-1	1200	3	62.5	≤2.00
IKW03N120H2	SP000014181	PG-TO247-3-21	1200	3	62.5	≤2.00

LightMOS Lighting IGBT 600 V

ILD03N60	SP000014338	PG-TO252-3-21	600	3	27	≤4.70
ILD03N60	SP000077615	PG-TO252-3-21	600	3	27	≤4.70

SMD = Surface Mounted Device

Type	Ordering Code	Package	Data			
			V_{CE}	I_C	P_{tot}	R_{thJC}
			V	A	W	K/W

Power Transistors**IGBT Power Transistors****TRENCHSTOP™****600 V**

IGB15N60T	SP000054921	PG-TO263-3-2	600	15	130	≤1.15
IGB30N60T	SP000095765	PG-TO263-3-2	600	30	187	≤0.80
IGB50N60T	SP000054922	PG-TO263-3-2	600	50	333	≤0.45
▼ IGD06N60T	SP000233590	PG-TO252-3-11	600	6	88	≤1.70
IGP06N60T	SP000095766	PG-TO220-3-1	600	6	88	≤1.70
IGP10N60T	SP000016446	PG-TO220-3-1	600	10	187	≤0.80
IGP15N60T	SP000095767	PG-TO220-3-1	600	15	130	≤1.15
IGP30N60T	SP000054923	PG-TO220-3-1	600	30	333	≤0.45
IGP50N60T	SP000054924	PG-TO220-3-1	600	50	333	≤0.45
IGW30N60T	SP000054925	PG-TO247-3-21	600	30	333	≤0.45
IGW50N60T	SP000054926	PG-TO247-3-21	600	50	333	≤0.45
IGW75N60T	SP000054927	PG-TO247-3-21	600	75	428	≤0.35

TRENCHSTOP™**1200 V**

IGW 08T120	SP000013937	PG-TO247-3-21	1200	8	70	≤1.70
IGW15T120	SP000013888	PG-TO247-3-21	1200	15	110	≤1.10
IGW25T120	SP000013887	PG-TO247-3-21	1200	25	190	≤0.65
IGW40T120	SP000013886	PG-TO247-3-21	1200	40	270	≤0.45
IGW60T120	SP000013906	PG-TO247-3-21	1200	60	375	≤0.33

Control Integrated Power System CIPOS™ (IGBT + EmCon Diode)**600 V**

▼ IKS12F60AA	SP000261241	PG-MSIP-20	600	12	35	≤3.0
▼ IKS22F60AA	SP000261245	PG-MSIP-20	600	22	59	≤2.1

TRENCHSTOP™ DuoPack (IGBT + EmCon Diode)**600 V**

IKA06N60T	SP000215375	PG-TO220-3-1	600	6	28	≤5.30
IKA10N60T	SP000215376	PG-TO220-3-1	600	10	30	≤5.00
IKA15N60T	SP000215377	PG-TO220-3-1	600	15	36	≤4.20
IKB06N60T	SP000014954	PG-TO263-3-2	600	6	88	≤1.70
IKB10N60T	SP000014833	PG-TO263-3-2	600	10	110	≤1.35
IKB15N60T	SP000054882	PG-TO263-3-2	600	15	130	≤1.15
IKB20N60T	SP000054883	PG-TO263-3-2	600	20	166	≤0.90
IKP04N60T	SP000054884	PG-TO220-3-1	600	4	42	≤3.50
IKP06N60T	SP000014953	PG-TO220-3-1	600	6	88	≤1.70
IKP10N60T	SP000014753	PG-TO220-3-1	600	10	110	≤1.35
IKP15N60T	SP000095768	PG-TO220-3-1	600	15	130	≤1.15

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{CE}	I_C	P_{tot}	R_{thJC}
			V	A	W	K/W

Power Transistors

IGBT Power Transistors

TRENCHSTOP™ DuoPack (IGBT + EmCon Diode)

600 V
(cont'd)

IKP20N60T	SP000054885	PG-TO220-3-1	600	20	166	≤0.90
IKW20N60T	SP000054886	PG-TO247-3-21	600	20	166	≤0.90
▼ IKW20N60T E8161	SP000237273	PG-TO247-3-21	600	20	166	≤0.90
IKW30N60T	SP000054887	PG-TO247-3-21	600	30	187	≤0.80
IKW50N60T	SP000054888	PG-TO247-3-21	600	50	333	≤0.45
IKW75N60T	SP000054889	PG-TO247-3-21	600	75	428	≤0.35

TRENCHSTOP™ DuoPack (IGBT + EmCon Diode)

1200 V

IHP10T120	SP000014951	PG-TO220-3-1	1200	10	138	≤0.90
IHW15T120	SP000014892	PG-TO247-3-21	1200	15	113	≤1.10
IHW20T120	SP000014881	PG-TO247-3-21	1200	20	178	≤0.70
IHW40T120	SP000014893	PG-TO247-3-21	1200	40	270	≤0.45
IKW08T120	SP000013885	PG-TO247-3-21	1200	8	70	≤1.70
IKW15T120	SP000013938	PG-TO247-3-21	1200	15	110	≤1.10
▼ IKW15T120 E8161	SP000237272	PG-TO247-3-21	1200	15	110	≤1.10
IKW25T120	SP000013939	PG-TO247-3-21	1200	25	190	≤0.65
IKW40T120	SP000013940	PG-TO247-3-21	1200	40	270	≤0.45

TRENCHSTOP™2 DuoPack (IGBT + EmCon Diode)

1200 V

▼ IKW15T120T2	SP000244961	PG-TO247-3-21	1200	15	235	≤0.63
▼ IKW25T120T2	SP000244960	PG-TO247-3-21	1200	25	349	≤0.43
▼ IKW40T120T2	SP000244962	PG-TO247-3-21	1200	40	480	≤0.31

TRENCHSTOP™RC (Reverse Conducting - Soft Switching Applications)

600 V

IHW30N60T	SP000076306	PG-TO247-3-21	600	30	187	≤0.80
IHW40N60T	SP000076321	PG-TO247-3-21	600	40	303	≤0.49

TRENCHSTOP™RC (Reverse Conducting - Soft Switching Applications)

900 V

IHW30N90R	SP000209140	PG-TO247-3-21	900	30	428	≤0.35
IHW30N90T	SP000076322	PG-TO247-3-21	900	30	428	≤0.35

TRENCHSTOP™RC (Reverse Conducting - Soft Switching Applications)

1000 V

IHW30N100R	SP000212224	PG-TO247-3-21	1000	30	412	≤0.36
IHW30N100T	SP000086713	PG-TO247-3-21	1000	30	412	≤0.36

Type	Ordering Code	Package	Data			
			V_{CE}	I_C	P_{tot}	R_{thJC}
			V	A	W	K/W

Power Transistors

IGBT Power Transistors

**TRENCHSTOP™RC (Reverse Conducting - Soft Switching Applications)
1200 V**

IHW15N120R	SP000080229	PG-TO247-3-21	1200	15	357	≤0.52
IHW15N120R2	SP000212014	PG-TO247-3-21	1200	15	357	≤0.52
IHW20N120R	SP000076323	PG-TO247-3-21	1200	20	357	≤0.42
IHW20N120R2	SP000212015	PG-TO247-3-21	1200	20	330	≤0.45
▼ IHW25N120R2	SP000212016	PG-TO247-3-21	1200	25	365	≤0.41
IHW30N120R	SP000076324	PG-TO247-3-21	1200	30	395	≤0.38
IHW30N120R2	SP000212017	PG-TO247-3-21	1200	30	390	≤0.38

**TRENCHSTOP™RC (Reverse Conducting - Soft Switching Applications)
1600 V**

▼ IHW30N160R2	SP000273701	PG-TO247-3-21	1600	30	312	≤0.48
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Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{RRM} V	I_F A	V_F V	T_{jmax} °C

Power Diodes

EmCon Diodes 600 V

IDB06E60	SP000014039	PG-TO220-3-45	600	6	1.45	175
IDB09E60	SP000013914	PG-TO220-3-45	600	9	1.45	175
IDB15E60	SP000014044	PG-TO220-3-45	600	15	1.45	175
IDB23E60	SP000278566	PG-TO220-3-45	600	23	1.45	175
IDB30E60	SP000013917	PG-TO220-3-45	600	30	1.45	175
IDB45E60	SP000013635	PG-TO220-3-45	600	45	1.45	175
IDD03E60	SP000013632	PG-TO252-3-1	600	3	1.45	175
IDD06E60	SP000013633	P-TO252-3-1	600	6	1.45	175
IDD06E60	SP000077586	PG-TO252-3-1	600	6	1.45	175
IDD09E60	SP000013634	PG-TO252-3-1	600	9	1.45	175
IDD15E60	SP000013915	P-TO252-3-1	600	15	1.45	175
IDD15E60	SP000077587	PG-TO252-3-1	600	15	1.45	175
IDD23E60	SP000013916	P-TO252-3-1	600	23	1.45	175
IDD23E60	SP000077588	PG-TO252-3-1	600	23	1.45	175
IDP06E60	SP000014040	PG-TO220-2-2	600	6	1.45	175
IDP09E60	SP000014043	PG-TO220-2-2	600	9	1.45	175
IDP15E60	SP000014045	PG-TO220-2-2	600	15	1.45	175
IDP23E60	SP000014047	PG-TO220-2-2	600	23	1.45	175
IDP30E60	SP000014048	PG-TO220-2-2	600	30	1.45	175
IDP45E60	SP000013797	PG-TO220-2-2	600	45	1.45	175
IDW75E60	SP000227824	PG-TO247-3-21	600	75	1.45	175
IDW100E60	SP000227825	PG-TO247-3-21	600	100	1.45	175

1200 V

IDB04E120	SP000013639	PG-TO263-3-2	1200	4	1.65	150
IDB09E120	SP000013918	PG-TO263-3-2	1200	9	1.65	150
IDB12E120	SP000013640	PG-TO263-3-2	1200	12	1.65	150
IDB18E120	SP000013919	PG-TO263-3-2	1200	18	1.65	150
IDB30E120	SP000013641	PG-TO263-3-2	1200	30	1.65	150
▼ IDH04E120	SP000236986	PG-TO220-2-21	1200	4	1.65	150
▼ IDH09E120	SP000236987	PG-TO220-2-21	1200	9	1.65	150
▼ IDH12E120	SP000236988	PG-TO220-2-21	1200	12	1.65	150
▼ IDH18E120	SP000236989	PG-TO220-2-21	1200	18	1.65	150
▼ IDH30E120	SP000236990	PG-TO220-2-21	1200	30	1.65	150
IDP04E120	SP000013798	PG-TO220-2-2	1200	4	1.65	150
IDP09E120	SP000014041	PG-TO220-2-2	1200	9	1.65	150
IDP12E120	SP000013799	PG-TO220-2-2	1200	12	1.65	150
IDP18E120	SP000014042	PG-TO220-2-2	1200	18	1.65	150
IDP30E120	SP000013800	PG-TO220-2-2	1200	30	1.65	150

SMD = Surface Mounted Device

Type	Ordering Code	Package	Data			
			V_{DS} V	I_F A	Q_{Ctyp} nC	$I_{F,SM}$ at $T_j = 25^\circ\text{C}$ V

Power Diodes**Silicon Carbide Schottky Diodes
300 V**

SDB20S30	SP000013514	D ² -PAK	300	2 x 10	23	36
SDP10S30	SP000013359	TO220	300	10	23	36
SDP20S30	SP000013625	TO220	300	2 x 10	23	36
SDT10S30	SP000013824	TO220 with decapped middle- leg	300	10	23	36

**1st Generation
600 V**

SDB06S60	SP000013624	D ² -PAK	600	6	21	21.5
SDD04S60	SP000077602	D-PAK	600	4	13	12.5
SDT04S60	SP000013822	TO220 with decapped middle-leg	600	4	13	12.5
SDT05S60	SP000014671	TO220 with decapped middle-leg	600	5	14	18.5
SDT06S60	SP000013823	TO220 with decapped middle-leg	600	6	21	21.5
SDT08S60	SP000014897	TO220 with decapped middle-leg	600	8	24	26
SDT10S60	SP000014896	TO220 with decapped middle-leg	600	2 x 5	29	31
SDT12S60	SP000013825	TO220 with decapped middle-leg	600	2 x 6	30	36

**2nd Generation
600 V**

IDD04S60C	SP000080224	D-PAK	600	4	8	32
▼ IDT02S60C	SP000274984	TO220 with decapped middle-leg	600	2	2	11.5
▼ IDT03S60C	SP000274985	TO220 with decapped middle-leg	600	3	5	16
IDT04S60C	SP000080225	TO220 with decapped middle-leg	600	4	8	32
IDT05S60C	SP000096441	TO220 with decapped middle-leg	600	5	12	42
IDT06S60C	SP000096442	TO220 with decapped middle-leg	600	6	15	49

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS} V	I_F A	Q_{Ctyp} nC	$I_{F,SM}$ at $T_j = 25^\circ\text{C}$ V

Power Diodes

Silicon Carbide Schottky Diodes 2nd Generation

600 V

(cont'd)

IDT08S60C	SP000080226	TO220 with decapped middle-leg	600	8	19	59
IDT10S60C	SP000096443	TO220 with decapped middle-leg	600	2 x 5	24	84
IDT12S60C	SP000096444	TO220 with decapped middle-leg	600	2 x 6	30	98
IDT16S60C	SP000080227	TO220 with decapped middle-leg	600	2 x 8	38	118

Type	Ordering Code	Package	Data		
			V_{DS} V	$I_{L-ISO-Norm}$ A	$R_{DS(on)}$ mΩ

Smart Low Side Switches

TEMPFET™

N-Channel Enhancement Types

■ BTS110	SP000011184	P-TO220-3-1	100	1.75	200
■ BTS110 E3045A	SP000011183	P-TO220-3-45	100	1.75	200
■ BTS112A	SP000011185	P-TO220-3-1	60	2.5	150
■ BTS112A E3045A	SP000011186	P-TO220-3-45	60	2.5	150
■ BTS114A	SP000011191	P-TO220-3-1	50	3.8	100
■ BTS114A E3045A	SP000011192	P-TO220-3-45	50	3.8	100
■ BTS129	SP000011202	P-TO220-3-1	60	7.5	50
■ BTS129 E3045A	SP000011203	P-TO220-3-45	60	7.5	50
■ BTS240A	SP000011223	P-TO218-3-1	50	21	50

N-Channel Enhancement Types (Logic Level)

■ BTS113A	SP000011187	P-TO220-3-1	60	2.2	170
■ BTS113A E3045A	SP000011188	P-TO220-3-45	60	2.2	170
■ BTS113A E3064	SP000011189	P-TO220-3-64	60	2.2	170
■ BTS115A	SP000011193	P-TO220-3-1	50	3.2	120
■ BTS115A E3045A	SP000011194	P-TO220-3-45	50	3.2	120
■ BTS121A	SP000011200	P-TO220-3-1	100	3.5	100
■ BTS121A E3045A	SP000011201	P-TO220-3-45	100	3.5	100
■ BTS131	SP000011204	P-TO220-3-1	50	6.5	60
■ BTS131 E3045A	SP000011206	P-TO220-3-45	50	6.5	60
■ BTS132 E3045A	SP000011210	P-TO220-3-45	60	6.0	65
■ BTS132 E3064	SP000011209	P-TO220-3-64	60	6.0	65
■ BTS132 E3129	SP000011208	P-TO220-3-129	60	6.0	65

SPEED TEMPFET™

N-Channel Enhancement Types

BTS244Z	SP000012177	P-TO220-5-3	55	19	18
BTS244Z E3043	SP000012178	P-TO220-5-43	55	19	18
BTS244Z E3062A	SP000012180	P-TO220-5-62	55	19	18
BTS247Z	SP000012184	P-TO220-5-3	55	26	13
BTS247Z E3043	SP000012185	P-TO220-5-43	55	26	13
BTS247Z E3062A	SP000012187	P-TO220-5-62	55	26	13
BTS282Z	SP000012356	P-TO220-7-3	49	36	6.5
BTS282Z E3180A	SP000012360	P-TO220-7-180	49	36	6.5
BTS2S382Z E3230	SP000012357	P-TO220-7-230	49	36	6.5

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data		
			V_{DS} V	$I_{L-ISO-Norm}$ A	$R_{DS(on)}$ mΩ

Smart Low Side Switches

HITFET™ for automotive applications

▼ BSP75N	SP000305171	SOT223	> 60	0.7	550
▼ BSP75N E6327	SP000363420	SOT223	> 60	0.7	550
BSP76 E6327	SP000011146	SOT223	> 42	1.4	200
▼ BSP76 E6433	SP000313257	SOT223	> 42	1.4	200
BSP77 E6327	SP000011150	SOT223	> 42	2.17	100
▼ BSP78	SP000292892	SOT223	> 42	3.0	50
BSP78 E6327	SP000011155	SOT223	> 42	3.0	50
BTS117	SP000011195	P-TO220-3-1	> 60	3.5	100
BTS117 E3044A	SP000011198	P-TO220-3-44	> 60	3.5	100
BTS117 E3045A	SP000011197	P-TO220-3-45	> 60	3.5	100
BTS118D	SP000011199	P-TO252-3-11	> 42	2.4	100
▼ BTS118D	SP000292485	PG-TO252-3-11	> 42	2.4	100
BTS133	SP000011211	P-TO220-3-1	> 60	7	50
BTS133 E3045A	SP000011213	P-TO220-3-45	> 60	7	50
BTS133 E3064	SP000011212	P-TO220-3-45	> 60	7	50
BTS134D	SP000011216	P-TO252-3-11	> 42	3.5	50
▼ BTS134D	SP000276446	PG-TO252-3-11	> 42	3.5	50
BTS141	SP000011218	P-TO220-3-1	> 60	12	28
BTS141 E3045A	SP000011219	P-TO220-3-45	> 60	12	28
BTS141 E3064	SP000011220	P-TO220-3-64	> 60	12	28
BTS142D	SP000012175	P-TO252-3-11	> 42	4.6	28
▼ BTS142D	SP000292520	PG-TO252-3-11	> 42	4.6	28
▼ BTS149	SP000011221	P-TO220-3-1	> 60	19	18
▼ BTS149 E3045A	SP000011222	P-TO220-3-45	> 60	19	18
BTS3110N	SP000292896	SOT223	> 42	1.4	200
BTS3118D	SP000013725	P-TO252--3-11	> 42	2.4	100
▼ BTS3118D	SP000292875	PG-TO252--3-11	> 42	2.4	100
BTS3118N	SP000305173	SOT223	> 42	2.4	100
BTS3134D	SP000013759	P-TO252-3-1	> 42	3.5	50
▼ BTS3134D	SP000292883	PG-TO252-3-1	> 42	3.5	50
BTS3134N	SP000305174	SOT223	> 42	3.5	50
BTS3142D	SP000013760	P-TO252-3-11	> 42	4.6	28
▼ BTS3142D	SP000307117	PG-TO252-3-11	> 42	4.6	28
▼ BTS3160D	SP000106963	P-TO252-5-3	> 40	7.8	10
▼ BTS3205G	SP000237784	PG-DSO-8-24	> 42	0.35	1900
BTS3207N	SP000294550	SOT223	> 42	0.64	500
▼ BTS3405G	SP000237783	PG-DSO-8-25	> 42	0.35	1900
BTS3408G (Dual)	SP000014072	P-DSO-8-3	> 60	1.0	2 x 550
BTS3410G (Dual)	SP000014334	P-DSO-8-3	> 42	1.3	2 x 200
▼ BTS3410G (Dual)	SP000305178	PG-DSO-8-3	> 42	1.3	2 x 200
▼ BTS949	SP000012076	P-TO220-5-3	> 60	19	18
▼ BTS949 E3043	SP000011325	P-TO220-5-43	> 60	19	18
▼ BTS949 E3062A	SP000012077	P-TO220-5-62	> 60	19	18

HITFET™

▼ ISP75N	SP000292457	SOT223	> 60	0.7	550
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SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Smart Low Side Switches			
Multichannel HITFET™			
TLE4226G	SP000011756	P-DSO-24-3	6-fold low-side switch, 2 × 0.5 A, 4 × 50 mA
TLE6214L	SP000014123	P-DSO-12-2	Dual current sense switch with SPI, 2 × 5 A
TLE6216G	SP000013652	P-DSO-20-12	Quad channel low-side switch, 2 × 5 A, 2 × 3 A
TLE6217G	SP000013947	P-DSO-20-12	
TLE6220GP	SP000011903	P-DSO-20-10	Quad channel low-side switch, 4 × 3 A
TLE6228GP	SP000012154	P-DSO-20-10	Quad channel low-side switch, 2 × 5 A, 2 × 3 A
TLE6230GP	SP000012169	P-DSO-36-10	Octal low-side switch, 8 × 1 A
TLE6232GP	SP000012541	P-DSO-36-12	Six channel low-side switch, 4 × 3 A, 2 × 1.5 A
TLE6240GP	SP000012171	P-DSO-36-10	16-fold low-side switch, 8 × 1 A, 8 × 3 A
TLE6244X	SP000013785	P-MQFP-64-10	18-channel low-side switch with SPI, 2 × 3.0 A, 12 × 2.2 A, 4 × 1.1 A
TLE6288R	SP000013727	P-DSO-36-10	6-channel low-side switch with SPI, 3-channel high side with adjustable P&H current control, 3-channel high/low side configurable
TLE7230G	SP000311687	PG-DSO-24-3	SPI driver for enhanced relay control (SPIDER) 8-channel low side switch, 8 × 0.3 A
▼ TLE7230GS	SP000310471	PG-SSOP-24	SPI driver for enhanced relay control (SPIDER) 8-channel low side switch, 8 × 0.3 A, with three input pins for direct control
TLE7230R	SP000311685	PG-DSO-36-16	Smart octal low side switch, power, with SPI, 8 × 0.5 A
TLE7232G	SP000311690	PG-DSO-24-3	SPI driver for enhanced relay control (SPIDER) 8-channel low side switch, 8 × 0.24 A
▼ TLE7232GS	SP000310472	PG-SSOP-24	SPI driver for enhanced relay control (SPIDER) 8-channel low side switch, 8 × 0.24 A, with three input pins for direct control
▼ TLE7231G	SP000297859	PG-DSO-14-3	SPI driver for enhanced relay control (SPIDER) 4-channel low side switch, 4 × 0.25 A
▼ TLE7233GS	SP000297860	PG-SSOP-24	SPI driver for enhanced relay control (SPIDER) 4-channel low side switch, 4 × 0.25 A, with four input pins for direct control

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			$V_{BB(AZ)}$ min.	$R_{DS(on)}$ max.	$I_{L(nom)}$ min.	$I_{L(SCP)}$ typ.
			V	mΩ	A	A

Smart High Side Switches

Mini PROFET™ for automotive applications

BSP452 E6327	SP000011123	SOT223	41	200	> 0.7	1.5
▼ BSP742R	SP000272115	PG-DSO-8-24	41	350	> 0.4	1.2
▼ BSP742RI	SP000278925	PG-DSO-8-24	41	350	> 0.4	1.2
▼ BSP742T	SP000311133	PG-DSO-8-24	41	350	0.8	4
▼ BSP752R	SP000355392	PG-DSO-8-24	62	200	1.3	6.5
▼ BSP752T	SP000278359	PG-DSO-8-24	62	200	1.3	6.5
▼ BSP762T	SP000272118	PG-DSO-8-24	41	100	2	10
▼ BSP772T	SP000355395	PG-DSO-8-24	41	60	2.6	17
BTS441RG	SP000013386	P-TO263-5-2	> 40	20	7.2	65
BTS441RS	SP000013384	P-TO220-5-12	> 40	20	7.2	65
BTS441T	SP000011258	P-TO220-5-11	> 40	20	7.2	65
BTS441TG	SP000012295	P-TO263-5-2	> 40	20	7.2	65
BTS441TS	SP000011259	P-TO220-5-12	> 40	20	7.2	65
BTS452R	SP000012791	P-TO252-5-1	62	200	1.7	6.5
▼ BTS452R	SP000272324	PG-TO252-5-11	62	200	1.7	6.5
BTS452T	SP000012792	P-TO252-5-1	62	200	1.7	6.5
▼ BTS452T	SP000272325	PG-TO252-5-11	62	200	1.7	6.5
BTS462T	SP000012191	P-TO252-5-1	41	100	2.3	14
BTS4140N	SP000013791	SOT223	62	1500	0.2	0.9
BTS4141D	SP000013944	P-TO252-5-1	47	200	0.7	1.4
BTS4141N	SP000013942	SOT223	47	200	0.7	1.4
BTS4142N	SP000013945	SOT223	47	200	1.4	3
BTS4880R	SP000013302	P-DSO-36-12	45	200	1.4	3
▼ BTS4880R	SP000276938	PG-DSO-36-12	45	200	1.4	3

Mini PROFET™

ISP452	SP000219823	SOT223	41	200	> 0.7	1.5
ISP742RI	SP000221229	PG-DSO-8-6	41	350	> 0.4	1.2
ISP752R	SP000219825	PG-DSO-8-6	62	200	1.3	6.5
ISP762T	SP000221228	PG-DSO-8-6	41	100	2	10
ISP7B172T	SP000219824	PG-DSO-8-6	41	60	2.6	17
ITS4141D	SP000221235	P-TO252-5-1	47	200	0.7	1.4
ITS4141N	SP000219536	SOT223	47	200	0.7	1.4
ITS4142N	SP000221218	SOT223	47	200	1.4	3
ITS4S9880R	SP000219527	PG-DSO-36-12	45	200	1.4	3

SMD = Surface Mounted Device

Type	Ordering Code	Package	Data			
			$V_{BB(AZ)}$ min.	$R_{DS(on)}$ max.	$I_{L(nom)}$ min.	$I_{L(SCP)}$ typ.
			V	mΩ	A	A

Smart High Side Switches

PROFET™ for automotive applications

BTS3S407 E3062A	SP000011225	P-TO220-5-62	65	250	1.3	10
BTS409L1 E3062A	SP000011232	P-TO220-5-62	40	200	2	7.5
BTS410E2	SP000011233	P-TO220-5-3	65	220	2	12
BTS410E2 E3043	SP000011234	P-TO220-5-43	65	220	2	12
BTS410E2 E3062A	SP000011235	P-TO220-5-62	65	220	2	12
BTS410F2	SP000011236	P-TO220-5-3	65	220	2	5.5
BTS410F2 E3062A	SP000016371	P-TO220-5-62	65	220	2	5.5
BTS426L1 E3062A	SP000011244	P-TO220-5-62	> 40	60	4	25
BTS428L2	SP000012188	P-TO252-3-1	> 40	60	3.6	22
BTS436L2G	SP000011257	P-TO263-5-2	> 40	38	5.2	51
BTS640S2G	SP000011284	P-TO263-7-2	> 40	30	4.0	50

PROFET™

ITS410E2	SP000221219	P-TO220-5-3	65	220	2	12
ITS410E2 E3043	SP000221227	P-TO220-5-43	65	220	2	12
ITS428L2	SP000221220	P-TO252-3-1	> 40	60	3.6	22
ITS436L2	SP000221231	P-TO220-5-11	> 40	38	5.2	51
ITS436L2S	SP000221232	P-TO220-5-12	> 40	38	5.2	51
ITS640S2	SP000221217	P-TO220-7-11	> 40	30	4.0	50
ITS640S2S	SP000221225	P-TO220-7-12	> 40	30	4.0	50

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			$V_{BB(AZ)}$ min.	$R_{DS(on)}$ max.	$I_{L(nom)}$ min.	$I_{L(SCP)}$ typ.
			V	mΩ	A	A

Smart High Side Switches

High Current PROFET™ for automotive applications

BTS443P	SP000012530	P-TO252-5-1	38	16	6.2	35
▼ BTS443P	SP000264198	PG-TO252-5-11	38	16	6.2	35
BTS550P E3146	SP000011264	P-TO218-5-146	40	3.6	18.2	220
BTS555	SP000011266	P-TO218-5-3	40	2.5	23	400
BTS555 E3146	SP000011265	P-TO218-5-146	40	2.5	23	400
▼ BTS5012SDA	SP000298620	PG-TO252-5-11	39	24	6.5	105
▼ BTS5014SDA	SP000298621	PG-TO252-5-11	39	28	6.0	90
▼ BTS5016SDA	SP000298622	PG-TO252-5-11	39	32	5.5	75
BTS6133D	SP000014006	P-TO252-5-1	39	10	8	105
▼ BTS6133D	SP000274948	PG-TO252-5-11	39	10	8	105
BTS6142D	SP000074866	P-TO252-5-1	39	12	7	100
BTS6143D	SP000013143	P-TO252-5-1	39	10	8	105
▼ BTS6143D	SP000264199	PG-TO252-5-11	39	10	8	105
BTS6163D	SP000013196	P-TO252-5-1	63	20	5.5	80
▼ BTS6163D	SP000264201	PG-TO252-5-11	63	20	5.5	80
▼ BTS50055-1TMA	SP000385906	PG-TO220-7-180	39	6	13.6	130
▼ BTS50055-1TMB	SP000385907	PG-TO220-7-3	39	6	13.6	130
▼ BTS50055-1TMC	SP000385908	PG-TO220-7-180	39	6	13.6	130
▼ BTS50085-1TMA	SP000385911	PG-TO220-7-180	62	9	9.9	90
▼ BTS50085-1TMB	SP000385912	PG-TO220-7-3	62	9	9.9	90
▼ BTS50080-1TMA	SP000385909	P-TO220-7-180	39	9	9.5	130
▼ BTS50080-1TMB	SP000385910	P-TO220-7-230	39	9	9.5	130
▼ BTS50090-1TMA	SP000385913	P-TO220-7-180	24	10	9.0	45
▼ BTS50090-1TMB	SP000385914	P-TO220-7-230	24	10	9.0	45

Dimmer PROFET™

BTS730	SP000011308	P-DSO-20-9	> 40	70	3.5	20
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SMD = Surface Mounted Device

Type	Ordering Code	Package	Data			
			$V_{BB(AZ)}$ min.	$R_{DS(on)}$ max.	$I_{L(nom)}$ min.	$I_{L(SCP)}$ typ.
			V	mΩ	A	A

Smart High Side Switches

Two Channel PROFET™ for automotive applications

▼ BTS5231-2GS	SP000281794	PG-DSO-14-31	> 28	2 x 140	1.8	8
▼ BTS5235-2G	SP000281079	PG-DSO-20-43	> 28	2 x 60	3.3	23
▼ BTS5235-2L	SP000280715	PG-DSO-12-9	> 28	2 x 60	3.5	23
▼ BTS5236-2GS	SP000280717	PG-DSO-14-32	> 28	2 x 50	3.2	23
▼ BTS5242-2L	SP000281082	PG-DSO-12-19	> 28	2 x 25	6.0	7/40 (adjustable)
▼ BTS5246-2L	SP000281083	PG-DSO-12-19	> 28	2 x 19	6.0	7/40 (adjustable)

Two Channel PROFET™

ITS612N1	SP000221233	P-TO220-7-3	> 40	2 x 200	2.0	7.5
ITS612N1 E3230	SP000221234	P-TO220-7-230	> 40	2 x 200	2.0	7.5
ITS621L1	SP000219533	PG-TO220-7-3	> 40	2 x 100	3.0	14
ITS6S721L1 E3230	SP000221224	P-TO220-7-230	> 40	2 x 100	3.0	14
ITS5215L	SP000219826	PG-DSO-12-2	> 40	2 x 90	3.7	15

Four Channel PROFET™ for automotive applications

BTS711L1	SP000011298	P-DSO-20-9	> 40	4 x 200	1.7	7.5
BTS712N1	SP000011300	P-DSO-20-9	> 40	4 x 200	1.7	7.5
BTS716G	SP000013190	P-DSO-20-9	> 40	4 x 140	2.3	9
BTS716GB	SP000014327	P-DSO-20-9	> 40	4 x 140	2.3	9
BTS721L1	SP000011301	P-DSO-20-9	> 40	4 x 100	2.5	14
BTS724G	SP000013193	P-DSO-20-9	> 40	4 x 90	3.0	15
BTS737S3	SP000014328	P-DSO-28-16	> 40	4 x 35	5.0	45
■ BTS5434G	SP000014710	P-DSO-28-16	> 40	4 x 60	3.4	23
■ BTS5440G	SP000014185	P-DSO-28-16	> 40	4 x 25	5.7	11/50 (adjustable)
■ BTS5441G	SP000014644	P-DSO-28-16	> 40	4 x 25	5.6	40 (min)
BTS 824R	SP000013628	P-DSO-20-12	> 40	4 x 90	3.7	12

Four Channel PROFET™

▼ ITS711L1	SP000219532	PG-DSO-20-9	> 40	4 x 200	1.7	7.5
▼ ITS716G	SP000219534	PG-DSO-20-9	> 40	4 x 140	2.3	9
▼ ITS724G	SP000219835	PG-DSO-20-9	> 40	4 x 90	3.7	15

SPI Power Controller (SPOC) for automotive applications

▼ BTS5590G	SP000306869	PG-DSO-36-20	Five channel PROFET™ with bulb, LED and watchdog applications overvoltage protection: > 41 V, on-state resistances: 50/80/200 mΩ			
▼ BTS5566G	SP000255738	PG-DSO-36-20	Five channel PROFET™ with bulb application overvoltage protection: > 41 V, on-state resistances: 49/64/180 mΩ			
▼ BTS5576G	SP000255737	PG-DSO-36-20	Five channel PROFET™ with bulb, LED applications, overvoltage protection: > 41 V, on-state resistances: 49/64/180 mΩ			

SMD = Surface Mounted Device



Power Semiconductors

Type	Ordering Code	Package	Description
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Motor Drivers

Bridge Driver ICs 3-Phase Driver

▼ TLE6280GP	SP000012557	P-DSO-36-12	3-phase bridge driver IC for MOSFET power stages with multiple protection functions, 8 to 20 V supply voltage, tape reel
TLE6287GP	SP000014090	P-DSO-36-10	3-phase bridge driver IC for MOSFET power stages with multiple protection functions, 8 to 20 V supply voltage, additional pin for charge pump trigger, no di/dt control, tape reel
▼ TLE7183F	SP000065802	PG-VQFN-48-14	3-phase bridge driver IC for 6 or 12 MOSFET power stages with multiple protection functions, 5.5 to 28 V supply voltage, tape reel
▼ TLE7189F	SP000248208	PG-VQFN-48-14	3-phase bridge driver IC for 6 or 12 MOSFET power stages with multiple protection functions, 5.5 to 28 V supply voltage, short circuit protection level adjustable, tape reel

H-Bridge Driver

TLE6281G	SP000107818	P-DSO-20-10	Half-bridge gate driver IC for MOSFET power stages with multiple protection functions, 7.5 to 60 V supply voltage, tape reel
TLE6284G	SP000083033	P-DSO-20-10	Half-bridge gate driver IC for MOSFET power stages with multiple protection functions, 7.5 to 60 V supply voltage, short circuit protection level adjustable, tape reel

Driver/H-Bridge Driver

TLE6282G	SP000081973	P-DSO-20-10	Dual half-bridge driver IC for 4 external MOSFETs for very high currents, tape reel
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Stepper Motor Drivers

TCA3727	SP000011713	P-DIP-20-3	Stepper motor driver, 2-phase motor, 2 × 1 A / 50V
TCA3727G	SP000011714	P-DSO-24-3	
TLE4726G	SP000011863	P-DSO-24-3	
■ TLE4727	SP000011864	P-DIP-20-3	Stepper motor driver, 2-phase motor, 2 × 1 A / 45 V
TLE4728G	SP000011866	P-DSO-24-3	
TLE4729G	SP000011867	P-DSO-24-3	
			Stepper motor driver, 2-phase with low quiescent current, 2 × 1 A / 45 V

Motor Control ICs

TLE4207G	SP000011750	P-DSO-14-4	Dual half bridge driver, 2 × 1 A / 18 V, tape & reel
TLE4208G	SP000012143	P-DSO-28-6	Quad half bridge driver, 2 × 1 A / 18 V, tape & reel
TLE5205-2	SP000011886	P-TO220-7-11	Full bridges for DC-motor control, 2 x 5 A / 40 V, tube
TLE5205-2S	SP000011887	P-TO220-7-12	
TLE5205-2G	SP000011890	P-TO263-7-1	Full bridges for DC-motor control, 2 x 5 A / 40 V, tape & reel
TLE5205-2GP	SP000011891	P-DSO-20-12	
TLE5206-2	SP000011892	P-TO220-7-11	Full bridges for DC-motor control, 2 x 5 A / 40 V, tube
TLE5206-2S	SP000011893	P-TO220-7-22	
TLE5206-2G	SP000011894	P-TO263-7-1	Full bridges for DC-motor control, 2 x 5 A / 40 V, tape & reel
TLE5206-2GP	SP000011895	P-DSO-20-12	
TLE6208-3G	SP000012148	P-DSO-14-4	Triple half-bridge driver, 3 × 0.8 A / 32 V, tape & reel
TLE6208-6G	SP000012975	P-DSO-28-6	Hex half-bridge driver / double six driver, tape & reel
TLE6209R	SP000013299	P-DSO-20-12	Hex half-bridge driver for throttle control, 2 x 6 A / 40 V, tape & reel
TLE7209-2R	SP000014748	P-DSO-20-12	Half-bridge driver for throttle control, 2 x 3.5 A / 28 V, with SPI and status flag mode, tape & reel
▼ TLE7209-2R	SP000294312	PG-DSO-20-12	

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Motor Drivers			
Servo Driver ICs			
TLE4205	SP000011746	P-DIP-18-3	Power bridges for DC-motor control, 1 A / 32 V, tube
TLE4205G	SP000011747	P-DSO-20-6	Power bridges for DC-motor control, 1 A / 32 V, tape & reel
TLE4206G	SP000011748	P-DSO-14-4	DC-motor driver for servo driver 1 A / 18 V, tape & reel
▼ TLE4206-2G	SP000014949	PG-DSO-14-8	
TLE4209A	SP000012194	P-DIP-8-4	DC-motor driver for servo driver 1 A / 18 V, tube

High Current Motor Drivers**Trilith IC**

BTS7700G	SP000012368	P-DSO-28-16	Trilith IC, bridge or quad driver, 8 A, status, tape & reel
▼ BTM7700G	SP000306876	PG-DSO-28-16	
BTS7710G	SP000012774	P-DSO-28-16	Trilith IC, bridge or quad driver, 12 A, status, tape & reel
▼ BTM7710G	SP000306878	PG-DSO-28-16	
BTS7710GP	SP000012778	P-TO263-15-1	Trilith IC, bridge or quad driver, 12 A, status, PowerPak, tape & reel
BTS7740G	SP000012371	P-DSO-28-16	Trilith IC, bridge or quad driver, 8 A, status, short circuit protection; tape & reel
▼ BTM7740G	SP000306879	PG-DSO-28-16	
BTS7741G	SP000013912	P-DSO-28-16	
▼ BTM7741G	SP000306880	PG-DSO-28-16	
BTS7750G	SP000012779	P-DSO-28-16	Trilith IC, bridge or quad driver, 12 A, status, short circuit protection, tape & reel
▼ BTM7750G	SP000306881	PG-DSO-28-16	
BTS7751G	SP000014077	P-DSO-28-16	Trilith IC, bridge or quad driver, 12 A, status, short circuit protection, tape & reel
▼ BTM7751G	SP000306882	PG-DSO-28-16	
BTS7810K	SP000014521	P-TO263-15-1	Trilith IC, bridge or quad driver, 42 A, status, PowerPak, HSS: 1kHz, LSS: 1 kHz, tape & reel
▼ BTS7811K	SP000656445	P-TO263-15-1	Trilith IC, bridge or quad driver, 42 A, status, PowerPak, HSS: 1kHz, LSS: 20 kHz, tape & reel

High Current Motor Drivers**NovatithIC™**

BTS7930B	SP000238731	P-TO263-7-6	28 mΩ NovalithIC™, high current PN half bridge driver, 25 A, status, tape & reel
▼ BTN7930B	SP000299767	PG-TO263-7-6	
▼ BTN7930P	SP000314911	PG-TO263-7-6	28 mΩ NovalithIC™, high current PN half bridge driver, 25A, status, tube
▼ BTN7930S	SP000355958	PG-TO220-7-1	
BTS7960B	SP000014711	P-TO263-7-6	16 mΩ NovalithIC™, high current PN half bridge driver, 43 A, status, tape & reel
▼ BTN7960B	SP000299768	PG-TO263-7-6	
BTS7960P	SP000053907	P-TO220-7-1	16 mΩ NovalithIC™, high current PN half bridge driver, 43 A, status, tube
▼ BTS7970B	SP000102225	P-TO263-7-6	16 mΩ NovalithIC™, high current PN half bridge driver, 68 A, status, tape & reel
▼ BTN7970B	SP000299769	PG-TO263-7-6	
▼ BTN7970P	SP000355967	PG-TO263-7-6	16 mΩ NovalithIC™, high current PN half bridge driver, 68 A, status, tube
▼ BTN7970S	SP000355961	PG-TO220-7-1	

Door Module ICs (DoMoPo)

TLE8201R	SP000107174	PG-DSO-36-27	Full bridge for main doorlock motor, two half-bridges for deadbolt, two half-bridges for mirror position, high-side switch for mirror defrost, four high-side switches for 5 W and 10 W lamps
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SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Description
Driver ICs			
IGBT Gate Driver ICs (EiceDRIVER™)			
▼ 1ED020112S	SP000247204	P-DSO-16-15	Single IGBT driver IC, (600/1200V) gate drive currents of +/-2A (EiceDRIVER™), tape & reel
2ED020112F	SP000014669	P-DSO-18-1	Half-bridge IGBT driver IC, gate drive currents of +1A/-2A (EiceDRIVER™), tape & reel
2ED020112F	SP000107512	PG-DSO-18-1	Half-bridge IGBT driver IC (1200V), gate drive currents of +1A/-2A (EiceDRIVER™), tape & reel
▼ 2ED020112FI	SP000265782	PG-DSO-18-2	Dual IGBT driver IC (1200V), gate drive currents of +1A/-2A (EiceDRIVER™), tape & reel
▼ 2ED020112FI	SP000265783	PG-DSO-18-2	Dual IGBT driver IC (1200V), gate drive currents of +1A/-2A (EiceDRIVER™), tube
▼ 6ED003L06-F	SP000107512	PG-DSO-28-17	Integrated 3-phase bridge driver IGBT/MOS (600V), (EiceDRIVER™), tape & reel
Coreless Transformer ISOFACE™			
▼ ISO1H801G	SP000260029	PG-DSO-36-10	Isolated power switch for industrial applications, 8-bit parallel/serial µC compatible interface, all types of resistive, inductive and capacitive loads, tape & reel

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Power Supply			
Automotive Linear Voltage Regulators			
Adj. 1.5 V, 2.6 V, 3.0 V and 3.3 V Standard Regulators			
TLE4295G V26	SP000012503	SCT595	2.6 V, $I_{out} = 30$ mA, Reset, Power fail, tape & reel
TLE4295G V30	SP000012502	SCT595	3 V, $I_{out} = 30$ mA, Reset, Power fail, tape & reel
TLE4295G V33	SP000012501	SCT595	3.3 V, $I_{out} = 30$ mA, Reset, Power fail, tape & reel
TLE4296G V30	SP000012764	SCT595	3 V, $I_{out} = 30$ mA, Inhibit, tape & reel
TLE4296G V33	SP000012765	SCT595	3.3 V, $I_{out} = 30$ mA, Inhibit, tape & reel
TLE4296-2G V33	SP000014332	SCT595	3.3 V, $I_{out} = 30$ mA, Inhibit, reduced quiescent current, tape & reel
TLE4274D V33	SP000011803	P-TO252-3-1	3.3 V, $I_{out} = 400$ mA, tape & reel
TLE4274GS V25	SP000011807	SOT223	2.5 V, $I_{out} = 400$ mA, tape & reel
TLE4274GS V33	SP000011806	SOT223	3.3 V, $I_{out} = 400$ mA, tape & reel
▼ TLE4275D V33	SP000262517	PG-TO263-5-1	3.3 V, $I_{out} = 400$ mA, Reset, tape & reel
TLE4276DV	SP000012197	P-TO252-5-1	adjustable voltage, $I_{out} = 400$ mA, Inhibit, tape & reel
TLE4276GV	SP000011824	P-TO220-5-122	adjustable voltage, $I_{out} = 400$ mA, Inhibit, tape & reel
TLE4276SV	SP000011831	P-TO220-5-43	adjustable voltage, $I_{out} = 400$ mA, Inhibit, tube
TLE4276V	SP000011835	P-TO220-5-3	adjustable voltage, $I_{out} = 400$ mA, Inhibit, tube
TLE4284DV	SP000014339	P-TO252-3-11	adjustable voltage, $I_{out} = 1$ A, short circuit protected, overtemperature protected, tape & reel
TLE4284D V15	SP000089571	P-TO252-3-1	1.5 V, $I_{out} = 1$ A, short circuit protected, overtemperature protected, tape & reel
TLE4284D V18	SP000063690	P-TO252-3-1	1.8 V, $I_{out} = 1$ A, short circuit protected, overtemperature protected, tape & reel
TLE4284D V26	SP000054076	P-TO252-3-1	2.6 V, $I_{out} = 1$ A, short circuit protected, overtemperature protected, tape & reel
TLE4284D V33	SP000014340	P-TO252-3-1	3.3 V, $I_{out} = 1$ A, short circuit protected, overtemperature protected, tape & reel

5 V Standard Regulators (≤ 200 mA output current)

TLE4285G	SP000011850	SCT595	5 V, $I_{out} = 15$ mA, Power fail, tape & reel
TLE4286G	SP000011851	SCT595	5 V, $I_{out} = 15$ mA, Inhibit, tape & reel
TLE4295G V50	SP000012500	SCT595	5 V, $I_{out} = 30$ mA, Reset, Power fail, tape & reel
TLE4296G V50	SP000012766	SCT595	5 V, $I_{out} = 30$ mA, Inhibit, tape & reel
TLE4296-2G V50	SP000014333	SCT595	5 V, $I_{out} = 30$ mA, Inhibit, reduced quiescent current, tape & reel
TLE4264G	SP000011765	SOT223	5 V, $I_{out} = 150$ mA, tape & reel
TLE4266G	SP000011768	SOT223	5 V, $I_{out} = 150$ mA, Inhibit, tape & reel
TLE4269G	SP000011784	P-DSO-8-3	5 V, $I_{out} = 150$ mA, Reset, early warning, tape & reel
TLE4269GL	SP000011789	P-DSO-20-17	
TLE4269GM	SP000011790	P-DSO-14-8	
TLE4279G	SP000011840	P-DSO-8-3	5 V, $I_{out} = 150$ mA, Reset, early warning, tape & reel
TLE4279GM	SP000011845	P-DSO-14-8	
TLE4278G	SP000011838	P-DSO-14-8	5 V, $I_{out} = 160$ mA, Reset, Watchdog, tape & reel
TLE4262G	SP000011760	P-DSO-20-6	5 V, $I_{out} = 200$ mA, Reset, Inhibit, tape & reel
TLE4262GM	SP000012365	P-DSO-14-8	
TLE4263G	SP000011762	P-DSO-20-6	5 V, $I_{out} = 200$ mA, Reset, Inhibit, Watchdog, tape & reel
TLE4263GM	SP000012367	P-DSO-14-4	
TLE4263GS	SP000014278	P-DSO-8-3	
TLE4268G	SP000011777	P-DSO-20-17	5 V, $I_{out} = 180$ mA, Reset, Watchdog, tape & reel
TLE4268GS	SP000011781	P-DSO-8-3	

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Description
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Power Supply

Automotive Linear Voltage Regulators

5 V Standard Regulators (> 200 mA output current)

TLE4287G	SP000011854	P-DSO-14-8	5 V, $I_{out} = 250$ mA, Reset, Inhibit, tape & reel
TLE4267G	SP000011774	P-TO220-7-4	5 V, $I_{out} = 400$ mA, Reset, Inhibit, tape & reel
TLE4267GM	SP000012506	P-DSO-14-8	
TLE4267	SP000012167	P-TO220-7-3	5 V, $I_{out} = 400$ mA, Reset, Inhibit, tube
TLE4267S	SP000011771	P-TO220-7-230	
TLE4274 V50	SP000011809	P-TO220-3-1	5 V, $I_{out} = 400$ mA, tube
TLE4274D V50	SP000011801	P-TO252-3-11	5 V, $I_{out} = 400$ mA, tape & reel
TLE4274G V50	SP000011796	P-TO263-3-1	
TLE4276D V50	SP000012198	P-TO252-5-1	5 V, $I_{out} = 400$ mA, Inhibit, tape & reel
TLE4276G V50	SP000011821	P-TO220-5-122	
TLE4276S V50	SP000011829	P-TO220-5-43	5 V, $I_{out} = 400$ mA, Inhibit, tube
TLE4275	SP000011814	P-TO220-5-11	5 V, $I_{out} = 400$ mA, Reset, tube
TLE4275S	SP000011815	P-TO220-5-12	
TLE4275D	SP000012151	P-TO252-5-1	5 V, $I_{out} = 400$ mA, Reset, tape & reel
TLE4275G	SP000011818	P-TO263-5-1	
TLE4276 V50	SP000011832	P-TO220-5-3	5 V, $I_{out} = 400$ mA, Inhibit, tube
TLE4290D	SP000012762	P-TO252-5-1	5 V, $I_{out} = 450$ mA, Power Good, tape & reel
TLE4290G	SP000012763	P-TO263-5-1	
TLE4270	SP000011792	P-TO220-5-11	5 V, $I_{out} = 600$ mA, Reset, tube
TLE4270S	SP000011793	P-TO220-5-12	
TLE4270D	SP000012195	P-TO252-5-1	5 V, $I_{out} = 600$ mA, Reset, tape & reel
TLE4270G	SP000011794	P-TO263-5-1	
TLE4271-2	SP000013201	P-TO220-7-11	5 V, $I_{out} = 600$ mA, Reset, Inhibit, Watchdog, tube
TLE4271-2S	SP000013202	P-TO220-7-12	
TLE4271-2G	SP000013203	P-TO263-7-1	5 V, $I_{out} = 600$ mA, Reset, Inhibit, Watchdog, tape & reel
TLE4284D V50	SP000017633	P-TO252-3-1	5 V, $I_{out} = 1$ A, short circuit protected, overtemperature protected, tape & reel

8.5 V and 10 V Standard Regulators

TLE4266GS V10	SP000012431	SOT223	10 V, $I_{out} = 120$ mA, Inhibit, tape & reel
TLE4274G V10	SP000011798	P-TO263-3-1	10 V, $I_{out} = 400$ mA, tape & reel
TLE4274G V85	SP000011797	P-TO263-3-1	8.5 V, $I_{out} = 400$ mA, tape & reel
TLE4274 V10	SP000011811	P-TO220-3-1	10 V, $I_{out} = 400$ mA, Inhibit, tube
TLE4274 V85	SP000011810	P-TO220-3-1	8.5 V, $I_{out} = 400$ mA, tube
TLE4276G V10	SP000011823	P-TO220-5-122	10 V, $I_{out} = 400$ mA, Inhibit, tape & reel
TLE4276 V85	SP000011833	P-TO220-5-3	8.5 V, $I_{out} = 400$ mA, Inhibit, tube
TLE4276S V85	SP000011830	P-TO220-5-43	
TLE4276 V10	SP000011834	P-TO220-5-3	10 V, $I_{out} = 400$ mA, Inhibit, tube
TLE4276G V85	SP000011822	P-TO220-5-122	8.5 V, $I_{out} = 400$ mA, Inhibit, tape & reel

2.6 V, 3.0 V and 3.3 V Ultra Low Quiescent Regulators

TLE4266-2GS V33	SP000013992	SOT223	3.3 V, $I_{out} = 150$ mA, Inhibit, reduced quiescent current, tape & reel
TLE4299GM V33	SP000056991	P-DSO-14-8	3.3 V, $I_{out} = 150$ mA, Inhibit, early warning, tape & reel
TLE4299G V33	SP000056992	P-DSO-8-3	

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
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Power Supply

Automotive Linear Voltage Regulators

5 V Ultra Low Quiescent Current Regulators

TLE4264-2G	SP000013989	SOT223	5 V, $I_{out} = 150$ mA, tape & reel
TLE4266-2G	SP000013991	SOT223	5 V, $I_{out} = 150$ mA, Inhibit, tape & reel
TLE4299G	SP000012770	P-DSO-8-3	5 V, $I_{out} = 150$ mA, Reset, early warning, tape & reel
TLE4299GM	SP000013145	P-DSO-14-8	5 V, $I_{out} = 150$ mA, Reset, Inhibit, early warning, tape & reel
TLE7270D	SP000014700	P-TO252-5-1	5 V, $I_{out} = 300$ mA, Reset, tape & reel
TLE7270G	SP000055309	P-TO263-5-1	
TLE7272D	SP000055847	P-TO252-5-1	5 V, $I_{out} = 300$ mA, Reset, Inhibit, tape & reel
TLE7272G	SP000055848	P-TO263-5-1	
TLE7273 V50	SP000067155	P-DSO-14-4	5 V, $I_{out} = 200$ mA, Reset, Inhibit, Watchdog, tape & reel
TLE7274D	SP000055849	P-TO252-5-1	5 V, $I_{out} = 300$ mA, tape & reel
TLE7274G	SP000055850	P-TO263-3-1	
TLE7276D	SP000055851	P-TO252-5-1	5 V, $I_{out} = 300$ mA, Inhibit, tape & reel
TLE7276G	SP000055852	P-TO263-5-1	

Multiple Regulators

TLE4470G	SP000011856	P-DSO-20-6	5 V + 5 V, $I_{out} = 180$ mA/350 mA, Reset, early warning, tape & reel
TLE4470GS	SP000011861	P-DSO-14-4	5 V + adj. voltage, $I_{out} = 180$ mA/350 mA, Reset, early warning, tape & reel
TLE4471G	SP000013144	P-DSO-20-12	5 V + 5 V + 5 V, 2 tracked outputs 100/50 mA, Reset, Watchdog tape & reel
TLE4473G V52	SP000014119	P-DSO-12-6	5 V + 2.6 V, $I_{out} = 180$ mA/300 mA, Watchdog, tape & reel
TLE4473G V53	SP000014118	P-DSO-12-6	5 V + 3.3 V, $I_{out} = 180$ mA/300 mA, Watchdog, tape & reel
TLE4473G V55	SP000014117	P-DSO-12-4	5 V + 5 V, $I_{out} = 190$ mA/300 mA, Reset, Inhibit, Watchdog, tape & reel
▼ TLE4473G V55-2	SP000295344	PG-DSO-12-11	5 V + 5 V, $I_{out} = 190$ mA/300 mA, Reset, Inhibit, Watchdog, tape & reel
TLE4476D	SP000012771	P-TO252-5-1	5 V + 3.3 V, $I_{out} = 350$ mA/430 mA, tape & reel
TLE7469GV52	SP000014191	P-DSO-12-4	5 V + 2.6 V, $I_{out} = 300$ mA/320 mA, Inhibit, Reset, Watchdog, tape & reel
TLE7469GV53	SP000017740	P-DSO-12-4	5 V + 3.3 V, $I_{out} = 300$ mA/320 mA, Inhibit, Reset, Watchdog, tape & reel

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Description
Power Supply			
Voltage Tracker			
▼ TLE4250-2G	SP000255450	SCT595	adj. voltage, $I_{out} = 50$ mA, Inhibit, tape & reel
TLE4251D	SP000013042	P-TO252-5-1	adj. voltage, $I_{out} = 400$ mA, Inhibit, tape & reel
TLE4251G	SP000013761	P-TO263-5-1	
TLE4252D	SP000014642	P-TO252-5-1	adj. voltage, $I_{out} = 250$ mA, Inhibit, tape & reel
▼ TLE4253G	SP000253854	PG-DSO-8-10	adj. voltage, $I_{out} = 250$ mA, Inhibit, tape & reel
▼ TLE4254GA	SP000297354	PG-DSO-8-10	adj. voltage, $I_{out} = 70$ mA, Inhibit, tape & reel
▼ TLE4254GS	SP000297353	PG-DSO-8-10	adj. voltage, $I_{out} = 70$ mA, Inhibit, status output to indicate short circuits at the output, tape & reel

LED Driver ICs

▼ TLE4240-2M	SP000255105	SCT595	Lowdrop LED driver, 60 mA current output, tape & reel
▼ TLE4240-3M	SP000255106	SCT595	Lowdrop LED driver, 60 mA current output, open load detection, tape & reel
TLE4241GM	SP000014624	P-DSO-8-9	Lowdrop LED driver, with adjustable current output (8/65 V), Inhibit, tape & reel
TLE4242G	SP000014456	P-TO263-7-1	Lowdrop LED driver, with adjustable current output up to 500 mA, Inhibit, tape & reel
▼ TLE4242G	SP000299340	PG-TO263-7-1	
▼ TLE4309G	SP000104963	P-TO263-7-1	Lowdrop LED driver, with adjustable current output, Inhibit, tape & reel
▼ TLE4309G	SP000299342	PG-TO263-7-1	

DC/DC Converter

TLE6361G	SP000013297	P-DSO-36-12	Multi-voltage processor power supply, Buck converter, 5.5 V, Reset, Watchdog, SPI controlled, tape & reel
TLE6363G	SP000014251	P-DSO-14-2	Boost/buck converter, Watchdog, adjustable output voltage up to 33 V, tape & reel
TLE6365G	SP000013455	P-DSO-8-3	Step-down voltage regulator with reset, input voltage range 8 V to 40 V, tape & reel
TLE6368G1	SP000015046	P-DSO-36-12	Multi-voltage processor power supply, 5.5 V, Reset, Watchdog, tape & reel
TLE6368R	SP000014666	P-DSO-36-12	
TLE6389GV	SP000013787	P-DSO-14-1	Step-down DC/DC controller with external P-channel MOSFET, adjustable output voltage, early warning, tape & reel
▼ TLE6389-2GV	SP000226821	PG-DSO-14-1	
▼ TLE6389-3G V50	SP000226823	PG-DSO-14-1	Step-down DC/DC controller with external P-channel MOSFET, 5 V, volt reset hysteresis, early warning, tape & reel
▼ TLE7368G	SP000104573	P-DSO-36-12	Next generation micro controller supply, 5.5 V, Reset, Watchdog, tape & reel

Industrial Linear

TLE4305G	SP000011855	P-DSO-8-1	High precision bipolar regulator, breakdown voltage up to 45 V, tape & reel
TLE4307D V33	SP000012829	P-TO252-5-1	Power charge pump and low drop voltage regulator, 3.3 V, tape & reel
TLE4307D V38	SP000012828	P-TO252-5-1	Power charge pump and low drop voltage regulator, 3.8 V, tape & reel
TLE4484G	SP000012507	SOT223	5 / 15 V, Dual regulator, tape & reel
IFX1117GS	SP000014584	SOT223	5 V adjustable, $I_{out} = 1.0$ A, short circuit protection, tape & reel
IFX1117GS V33	SP000014585	SOT223	3.3 V, $I_{out} = 1.0$ A, short circuit protection, tape & reel

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
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Automotive Transceivers and SBCs**Body System Basis Chips****High Speed CAN System Basis Chips**

TLE6263-3G	SP000262119	P-DSO-28-18	System base chip (SBC) with fault tolerant CAN-transceiver, 5-V voltage regulator, wake-up inputs, Reset generator, 8-bit SPI, tape & reel
▼ TLE6263-3G	SP000314997	PG-DSO-28-6	
TLE6266G	SP000013996	P-DSO-28-6	Fault tolerant differential CAN-transceiver with watchdog (KORMORAN II), tape & reel
TLE6285G	SP000065800	P-DSO-16-4	Single wire LIN-transceiver + system regulator + reset generator adjustable reset threshold, tape & reel
TLE6286G	SP000065801	P-DSO-16-4	Single wire LIN-transceiver + system regulator, tape & reel
▼ TLE7263E	SP000075929	PG-DSO-36-12	Integrated HS-CAN, LIN, LDO and HS switch, tape & reel

Stand-alone Transceivers

TLE6250G	SP000012832	P-DSO-8-3	High speed CAN-transceiver according to ISO 11898, tape & reel
TLE6250PG	SP000268119	PG-DSO-8-3	
TLE6250G V33	SP000013959	P-DSO-8-3	High speed CAN-transceiver according to ISO 11898, for 3.3 V microcontroller
▼ TLE6250PG V33	SP000278564	PG-DSO-8-3	
TLE6251DS	SP000294173	PG-DSO-8-3	High speed CAN-transceiver with bus wake-up, compatible to 3.3 V and 5 V logic input levels, tape & reel
TLE6251G	SP000082094	P-DSO-14-13	High speed CAN-transceiver with bus wake-up and bus failure detection, tape & reel
TLE6254-3G	SP000014156	P-DSO-14-13	Low speed fault tolerant CAN-transceiver according ISO 11898-3, tape & reel
▼ TLE6254-3G	SP000316313	PG-DSO-14-13	
TLE6255G	SP000012141	P-DSO-14-2	Single wire CAN-transceiver, tape & reel
TLE6258-2G	SP000014969	P-DSO-8-3	Single wire LIN-transceiver, low speed, tape & reel
▼ TLE6258-2G	SP000297762	PG-DSO-8-3	
TLE6259-2G	SP000014214	P-DSO-8-3	Single wire LIN-transceiver, suitable for LIN protocol, tape & reel
▼ TLE6259-2G	SP000316315	PG-DSO-8-3	
TLE7259G	SP000107527	P-DSO-8-3	Enhanced LIN-transceiver with sleep mode/inhibit output, compatible to 3.3 V and 5 V logic input levels, specific LIN1.3 and LIN2.1 compliant version, tape & reel
▼ TLE7259-2GE	SP000299877	PG-DSO-8-3	
▼ TLE7259-2GU	SP000304077	PG-DSO-8-3	Enhanced LIN-transceiver with sleep mode/inhibit output, compatible to 3.3 V and 5 V logic input levels, specific SAEJ2602 compliant version, tape & reel

Embedded Power

▼ TLE7809	SP000268108	PG-DSO-28-6	Embedded power IC with an 8-bit microcontroller, LIN, LDO, Multi-chip-module (MCM), for industrial applications, tape & reel
▼ TLE7810G	SP000313890	PG-DSO-28-6	Embedded power IC with an 8-bit microcontroller, LIN, LDO, Multi-chip-module (MCM), for automotive applications, tape & reel

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Description
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Specific Automotive ICs

Application Specific Standard Products for Restraint Systems

TLE6710Q	SP000013708	P-MQFP-64-1	Power supply communication four squib driver airbag system ICs, tape & reel
TLE6711G	SP000012787	P-DSO-14-3	Airbag power supply ICs, tape & reel
TLE6712G	SP000013710	P-DSO-24-10	Two squib airbag firing ICs, tape & reel
TLE6714G	SP000013709	P-DSO-28-1	Quad squib airbag firing ICs, tape & reel

Application Specific Standard Products for Vehicle Stability - Braking (ABS/ESP)

TLE6210G B2	SP000013645	P-DSO-20-12	ABS/ASR system ICs, 5 V, 800 mA linear regulator, lamp output, tape & reel
TLE6211G-C1	SP000013647	P-DSO-20-12	ABS/ASR system ICs, 5 V, 800 mA linear regulator, inverted lamp output, tape & reel

SMD = Surface Mounted Device

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	I_{PK}	f_s
			V	Ω	A	kHz

Integrated Power ICs

650 V

ICE2A365	SP000013504	DIP-8	650	0.45	3	100
ICE2A265	SP000013503	DIP-8	650	0.92	2	100
ICE2A165	SP000013769	DIP-8	650	3.0	1	100
ICE2A0565	SP000014233	DIP-8	650	4.7	0.5	100
ICE2B365	SP000013999	DIP-8	650	0.45	3	67
ICE2B265	SP000013998	DIP-8	650	0.92	2	67
ICE2B165	SP000013997	DIP-8	650	3	1	67
ICE2B0565	SP000014234	DIP-8	650	4.7	0.5	67
ICE3A2565	SP000015075	DIP-8	650	0.65	2.5	100
ICE3A2065	SP000015082	DIP-8	650	0.92	2	100
ICE3A1565	SP000015083	DIP-8	650	1.7	1.5	100
ICE3A1065	SP000015074	DIP-8	650	2.9	1	100
▼ ICE3A1065LJ	SP000205733	DIP-8	650	2.9	1	100
ICE3A0565	SP000015073	DIP-8	650	4.7	0.5	100
ICE3A0365	SP000015072	DIP-8	650	6.45	0.3	100
ICE3B0565	SP000014967	DIP-8	650	4.7	0.5	67
ICE3B0365	SP000014968	DIP-8	650	6.45	0.3	67
ICE3B2565	SP000015077	DIP-8	650	0.65	2.5	67
ICE3B2065	SP000015080	DIP-8	650	0.92	2	67
ICE3B1565	SP000015081	DIP-8	650	1.7	1.5	67
ICE3B1065	SP000015076	DIP-8	650	2.95	1	67
▼ ICE3B2065J	SP000390355	DIP-8	650	0.92	2	67
ICE3B1565J	SP000098876	DIP-8	650	1.7	1.5	67
▼ ICE3BR4765J	SP000358120	DIP-8	650	4.7	0.5	67
ICE3B0565J	SP000064685	DIP-8	650	4.7	0.5	67
ICE3B0365J	SP000064720	DIP-8	650	6.45	0.3	67
ICE2A765P2	SP000014566	TO220-6-47	650	0.45	7	100
ICE2B765P2	SP000014701	TO220-6-47	650	0.45	7	67
ICE3A5565P	SP000016976	TO220-6-47	650	0.79	5.5	100
ICE3A5065P	SP000016978	TO220-6-47	650	0.95	5	100
ICE3A3565P	SP000016980	TO220-6-47	650	0.95	3.5	100
ICE3A0365P	SP000016982	TO220-6-47	650	2.1	3	100
ICE3A2065P	SP000016984	TO220-6-47	650	3	2	100
ICE3B5065P	SP000016815	TO220-6-47	650	0.95	5	67
ICE3B3565P	SP000016813	TO220-6-47	650	1.55	3.5	67
ICE3B2065P	SP000016809	TO220-6-47	650	3	2	67
ICE3A2065Z	SP000017045	DIP-7	650	0.92	2	100
ICE2A0565Z	SP000014235	DIP-7	650	4.7	5	100
ICE3A0565Z	SP000017044	DIP-7	650	4.7	5	100
ICE3B0565JG	SP000077217	SO-16/12	650	4.7	0.5	67
ICE3B0365JG	SP000078899	SO-16/12	650	6.45	0.3	67

800 V

ICE2A280Z	SP000014237	DIP-7	800	0.8	2	100
ICE2A180Z	SP000014236	DIP-7	800	3	1	100

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data		
			Switching Frequency Range kHz	I_{Gate} A	V_{CC} V

SMPS IC - Quasi

ICE1QS01	SP000014266	DIP-8	<150	20	4.7
▼ ICE2QS01	SP000269328	DIP-8	<150	25	4.7
ICE1QS01G	SP000081002	DIP-8	<150	20	4.7
TDA16846	SP000011731	DIP-14	20 - 250	16.5	16.5
TDA16846G	SP000081009	SO-14	20 - 250	16.5	16.5

SMPS IC - PFC & Combi ICs

ICE1PCS01	SP000014681	DIP-8	50 - 250	-1.5/2	21
ICE1PCS02	SP000056162	DIP-8	65	-1.5/2	21
ICE1PCS01	SP000094396	DIP-8	50 - 250	-1.5/2	25
▼ ICE2PCS02	SP000094398	DIP-8	65	-1.5/2	25
▼ ICE2PCS03	SP000366372	DIP-8	100	-1.5/2	25
▼ ICE2PCS04	SP000366373	DIP-8	130	-1.5/2	25
TDA4863-2	SP000014792	DIP-8	variable	0.5	22
ICE1PCS01G	SP000014680	SO-8	50 - 250	-1.5/2	21
ICE1PCS02G	SP000056164	SO-8	65	-1.5/2	21
▼ ICE2PCS01G	SP000094397	SO-8	50 - 250	-1.5/2	25
▼ ICE2PCS02G	SP000094399	SO-8	65	-1.5/2	25
▼ ICE2PCS03G	SP000366374	SO-8	100	-1.5/2	25
▼ ICE2PCS04G	SP000366375	SO-8	133	-1.5/2	25
TDA4863-2G	SP000014793	SO-8	variable	0.5	22
TDA16888	SP000011721	DIP-20	15 - 250	-1.0/1.5	-
TDA16888 G	SP000081318	SO-20	15 - 250	-1.0/1.5	-

Type	Ordering Code	Package	Data		
			V_{CC} V	R_{out} Ω	I_{PK} A

Low Voltage ICs

TDA21106	SP000014573	SO-8	10.8 - 13.2	1	4
TDA21102	SP000014699	SO-14 (dual)	10.8 - 13.2	1	4

Type	Ordering Code	Package	Description
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Lighting ICs

ICB1FL02G	SP000204703	SO-18	PFC, ballast control and half-bridge driver in one IC, tape & reel
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SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Function and Industrial ICs			
Proximity Switches			
TCA305G	SP000011709	P-DSO-14-1	ICs for inductive proximity switches, tube
TCA305G	SP000080985	PG-DSO-14-1	
TCA305G GEG	SP000011710	P-DSO-14-1	ICs for inductive proximity switches, tape & reel
TCA305G GEG	SP000080986	PG-DSO-14-1	
TCA355G	SP000080987	PG-DSO-8-1	ICs for inductive proximity switches, tube
TCA355G GEG	SP000011712	P-DSO-8-1	ICs for inductive proximity switches, tape & reel
TCA355G GEG	SP000080988	PG-DSO-8-1	
TCA505BG	SP000242372	P-DSO-16-1	ICs for inductive proximity switches with short-circuit protection, tube
TCA505BG GEG	SP000242373	P-DSO-16-1	ICs for inductive proximity switches with short-circuit protection, tape & reel

Power Driver ICs

FZL4146G	SP000011402	P-DSO-20-7	Short-circuit signaling, four driver circuits for driving power transistors, turn-ON threshold setting from 1.5 to 7 V
FZL4146G	SP000087989	PG-DSO-20-7	

Phase Control

TCA785	SP000011719	P-DIP-16-1	Phase control, tube
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Audible Signal ICs

SAE0800	SP000011614	P-DIP-8-1	Programmable single-, dual- and triple-tone gong, tube
SAE0800G	SP000011615	P-DSO-8-1	
SAE0800G	SP000080996	PG-DSO-8-1	
SAE0800G GEG	SP000011616	P-DSO-8-1	Programmable single-, dual- and triple-tone gong, tape & reel

SMD = Surface Mounted Device

Small Signal Discretes

AF Semiconductors	117
RF Semiconductors	134

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_R	I_F	V_F	at	I_F
			V	mA	V		mA

AF Diodes

Switching Diodes (8 mm Tape)

BAL74	3k*	SP000014992	SOT23	50	250	≤1.0	100
BAL99	3k*	SP000010159	SOT23	70	250	≤1.25	150
BAL99	10k*	SP000010161	SOT23	70	250	≤1.25	150
BAR74	3k*	SP000010202	SOT23	50	250	≤1.0	100
BAS16	3k*	SP000010203	SOT23	75	250	≤1.25	150
BAS16	10k*	SP000010201	SOT23	75	250	≤1.25	150
BAS16	9x10k*	SP000223927	SOT23	75	250	≤1.25	150
BAS16	10x3k*	SP000223866	SOT23	75	250	≤1.25	150
BAS16-02L	15k*	SP000013548	TSLP-2-1	75	250	≤1.25	150
BAS16-02V	3k*	SP000014911	SC79	75	250	≤1.25	150
BAS16 W	3k*	SP000010214	SOT323	75	250	≤1.25	150
BAS16 W	10k*	SP000010215	SOT323	75	250	≤1.25	150
BAS16-02W	3k*	SP000010212	SCD80	75	200	≤1.25	150
BAS16-03W	3k*	SP000010213	SOD323	75	250	≤1.25	150
BAS16-07L4 (Dual)	3k*	SP000013972	TSLP-4-4	75	250	≤1.25	150
BAS21	3k*	SP000010217	SOT23	200	250	≤1.25	200
BAS21	10k*	SP000010219	SOT23	200	250	≤1.25	200
BAS21-03W	3k*	SP000012522	SOD323	200	250	≤1.25	200
BAS21-03W	10k*	SP000082470	SOD323	200	250	≤1.25	200
BAS116	3k*	SP000010194	SOT23	75	250	≤1.25	150
BGX50 A (Bridge)	3k*	SP000011092	SOT143	50	140	≤2.6	100
SMBD914	3k*	SP000010209	SOT23	70	250	≤1.0	100
MMBD914	3k*	SP000010207	SOT23	70	250	≤1.0	100
MMBD914	10k*	SP000010208	SOT23	70	250	≤1.0	100

Switching Diodes (12 mm Tape)

BAW78 D	1k*	SP000010370	SOT89	400	1000	≤2.00	2000
BAW79 D (Dual)	1k*	SP000014594	SOT89	400	1000	≤2.00	2000

* Order unit

SMD = Surface Mounted Device



Small Signal Discretes

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_R	I_F	V_F	at	I_F
			V	mA	V		mA

AF Diodes

Switching Diodes Array

BAS16S (Triple)	3k*	SP000010200	SOT363	80	200	≤ 1.25	150
BAS16U (Triple)	3k*	SP000012608	SC74	80	200	≤ 1.25	150
BAS21U (Triple)	3k*	SP000012610	SC74	200	250	≤ 1.25	200
BAS28 (Dual)	3k*	SP000010225	SOT143	80	200	≤ 1.25	150
BAS28W (Dual)	3k*	SP000010230	SOT343	80	200	≤ 1.25	150
BAV70 (Dual)	3k*	SP000014923	SOT23	80	200	≤ 1.25	150
BAV70 (Dual)	10k*	SP000014924	SOT23	80	200	≤ 1.25	150
BAV70 (Dual)	9x10k*	SP000223928	SOT23	80	200	≤ 1.25	150
BAV70 (Dual)	10x3k*	SP000223868	SOT23	80	200	≤ 1.25	150
BAV70S (Quad)	3k*	SP000010338	SOT363	80	200	≤ 1.25	150
BAV70U (Quad)	3k*	SP000012931	SC74	80	200	≤ 1.25	150
BAV70W (Dual)	3k*	SP000014989	SOT323	80	200	≤ 1.25	150
BAV70W (Dual)	10k*	SP000014990	SOT323	80	200	≤ 1.25	150
BAV99 (Dual)	3k*	SP000010350	SOT23	80	200	≤ 1.25	150
BAV99 (Dual)	10k*	SP000010342	SOT23	80	200	≤ 1.25	150
BAV99 (Dual)	9x10k*	SP000223929	SOT23	80	200	≤ 1.25	150
BAV99 (Dual)	10x3k*	SP000223871	SOT23	80	200	≤ 1.25	150
BAV99S (Quad)	3k*	SP000010356	SOT363	80	200	≤ 1.25	150
BAV99S (Quad)	10k*	SP000010357	SOT363	80	200	≤ 1.25	150
BAV99W (Dual)	3k*	SP000010340	SOT323	80	200	≤ 1.25	150
BAV99W (Dual)	10k*	SP000010341	SOT323	80	200	≤ 1.25	150
BAV99W (Dual)	10x3k*	SP000056356	SOT323	80	200	≤ 1.25	150
BAV170 (Dual)	3k*	SP000010325	SOT23	80	200	≤ 1.25	150
BAV170 (Dual)	10k*	SP000010332	SOT23	80	200	≤ 1.25	150
BAV199 (Dual)	3k*	SP000010326	SOT23	80	200	≤ 1.25	150
BAV199 (Dual)	3k*	SP000056360	SOT23	80	200	≤ 1.25	150
BAV199 (Dual)	10k*	SP000010330	SOT23	80	200	≤ 1.25	150
BAW56 (Dual)	3k*	SP000014929	SOT23	80	200	≤ 1.25	150
BAW56 (Dual)	10k*	SP000014931	SOT23	80	200	≤ 1.25	150
BAW56	9x10k*	SP000223931	SOT23	80	200	≤ 1.25	150
BAW56	10x3k*	SP000223877	SOT23	80	200	≤ 1.25	150
BAW56S (Quad)	3k*	SP000014908	SOT363	80	200	≤ 1.25	150
BAW56S (Quad)	10x3k*	SP000056359	SOT363	80	200	≤ 1.25	150
BAW56U (Quad)	3k*	SP000014993	SC74	80	200	≤ 1.25	150
BAW56W (Dual)	3k*	SP000014991	SOT323	80	200	≤ 1.25	150
BAW101 (Dual)	3k*	SP000010363	SOT143	300	250	≤ 1.3	100
BAW101 (Dual)	10k*	SP000010364	SOT143	300	250	≤ 1.3	100
BAW156 (Dual)	3k*	SP000010327	SOT23	80	20	≤ 1.25	150
SMBD7000 (Dual)	3k*	SP000014938	SOT23	100	200	≤ 1.1	100
MMBD7000 (Dual)	3k*	SP000014935	SOT23	100	200	≤ 1.1	100
SMBD7000 (Dual)	10k*	SP000014937	SOT23	100	200	≤ 1.1	100

* Order unit

SMD = Surface Mounted Device

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_R	I_F	V_F	at	I_F
			V	mA	V		mA

AF Diodes

Schottky Diodes (8 mm Tape)

BAS40	3k*	SP000010235	SOT23	40	120	≤ 0.380	1
BAS40	10k*	SP000010233	SOT23	40	120	≤ 0.380	1
▼ BAS40	9x10k*	SP000250515	SOT23	40	120	≤ 0.380	1
▼ BAS40	10x3k*	SP000250514	SOT23	40	120	≤ 0.380	1
BAS40-02L	15k*	SP000013549	TSLP-2-1	40	120	≤ 0.380	40
BAS40-04 (Dual)	3k*	SP000010241	SOT23	40	120	≤ 0.380	1
BAS40-04 (Dual)	10k*	SP000010243	SOT23	40	120	≤ 0.380	1
▼ BAS40-04 (Dual)	9x10k*	SP000250349	SOT23	40	120	≤ 0.380	1
▼ BAS40-04 (Dual)	10x3k*	SP000250516	SOT23	40	120	≤ 0.380	1
BAS40-05 (Dual)	3k*	SP000010240	SOT23	40	120	≤ 0.380	1
BAS40-05 (Dual)	10k*	SP000010242	SOT23	40	120	≤ 0.380	1
▼ BAS40-5 (Dual)	9x10k*	SP000250354	SOT23	40	120	≤ 0.380	1
▼ BAS40-5 (Dual)	10x3k*	SP000250517	SOT23	40	120	≤ 0.380	1
BAS40-05W (Dual)	3k*	SP000014595	SOT323	40	120	≤ 0.380	1
BAS40-06 (Dual)	3k*	SP000010239	SOT23	40	120	≤ 0.380	1
BAS40-06 (Dual)	10k*	SP000010244	SOT23	40	120	≤ 0.380	1
▼ BAS40-06 (Dual)	9x10k*	SP000250355	SOT23	40	120	≤ 0.380	1
▼ BAS40-06 (Dual)	10x3k*	SP000250518	SOT23	40	120	≤ 0.380	1
BAS40-06W (Dual)	3k*	SP000014597	SOT323	40	120	≤ 0.380	1
BAS40-07 (Dual)	3k*	SP000010245	SOT143	40	120	≤ 0.380	1
BAS40-07 (Dual)	10x3k*	SP000056361	SOT143	40	120	≤ 0.380	1
BAS40-07W (Dual)	3k*	SP000010246	SOT343	40	120	0.310	1
BAS52-02V	3k*	SP000013936	SC79	45	750	≤ 0.400	200
BAS52-02V	8k*	SP000104721	SC79	45	750	≤ 0.400	200
BAS70	3k*	SP000010247	SOT23	70	70	≤ 0.410	1
BAS70	10k*	SP000010248	SOT23	70	70	≤ 0.410	1
▼ BAS70	9x10k*	SP000250519	SOT23	70	70	≤ 0.410	1
▼ BAS70	10x3k*	SP000250520	SOT23	70	70	≤ 0.410	1
BAS70-02L	15k*	SP000013550	TSLP-2-1	70	70	≤ 0.420	15
BAS70-02W (Dual)	3k*	SP000012521	SCD80	70	70	≤ 0.410	1
BAS70-04 (Dual)	3k*	SP000010253	SOT23	70	70	≤ 0.410	1
BAS70-04 (Dual)	10k*	SP000010256	SOT23	70	70	≤ 0.410	1
▼ BAS70-04 (Dual)	9x10k*	SP000250521	SOT23	70	70	≤ 0.410	1
▼ BAS70-04 (Dual)	10x3k*	SP000237212	SOT23	70	70	≤ 0.410	1
BAS70-04S (Quad)	3k*	SP000014598	SOT363	70	70	0.410	1
BAS70-04W (Dual)	3k*	SP000010249	SOT323	70	70	0.410	1
BAS70-05 (Dual)	3k*	SP000010252	SOT23	70	70	0.410	1
BAS70-05 (Dual)	10k*	SP000078827	SOT23	70	70	0.410	1
▼ BAS70-05 (Dual)	9x10k*	SP000250356	SOT23	70	70	0.410	1
▼ BAS70-05 (Dual)	10x3k*	SP000250522	SOT23	70	70	0.410	1
BAS70-05W (Dual)	3k*	SP000010250	SOT323	70	70	0.410	1
BAS70-06 (Dual)	3k*	SP000010254	SOT23	70	70	0.410	1
BAS70-06 (Dual)	10k*	SP000010260	SOT23	70	70	0.410	1
▼ BAS70-06 (Dual)	9x10k*	SP000250387	SOT23	70	70	0.410	1
▼ BAS70-06 (Dual)	10x3k*	SP000250523	SOT23	70	70	0.410	1
BAS70-06W (Dual)	3k*	SP000010251	SOT323	70	70	0.410	1

* Order unit

SMD = Surface Mounted Device



Small Signal Discretes

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_R	I_F	V_F	at	I_F
			V	mA	V		mA

AF Diodes

Schottky Diodes (8 mm Tape) (cont'd)

BAS70-07 (Dual)	3k*	SP000010266	SOT143	70	70	0.410	1
BAS70-07 (Dual)	10k*	SP000010269	SOT143	70	70	0.410	1
BAS70-07W (Dual)	3k*	SP000010270	SOT343	70	70	0.380	1
BAS140W	3k*	SP000010199	SOD323	40	120	≤ 0.380	1
BAS170W	3k*	SP000010216	SOD323	70	70	≤ 0.410	1
▼ BAS3005A-02V	3k*	SP000297683	SC79	30	500	0.200	1
BAS3005B-02V	3k*	SP000065626	SC79	30	500	0.200	1
BAS3010A-03W	3k*	SP000068629	SOD323	30	1000	0.170	1
BAS3010B-03W	3k*	SP000068630	SOD323	30	1000	0.230	1
▼ BAS3010S-03LRH	15k*	SP000356307	TSLP-3-7	30	1000	0.340	100
BAT54	3k*	SP000068499	SOT23	30	200	0.320	1
▼ BAT54	9x10k*	SP000250524	SOT23	30	200	0.320	1
▼ BAT54	10x3k*	SP000250525	SOT23	30	200	0.320	1
BAT54-02LRH	15k*	SP000234099	TSLP-2-7	30	200	0.320	1
BAT54-02V	3k*	SP000232851	SC79	30	200	0.320	1
BAT54-04 (Dual)	3k*	SP000068500	SOT23	30	200	0.320	1
▼ BAT54-04 (Dual)	9x10k*	SP000250383	SOT23	30	200	0.320	1
▼ BAT54-04 (Dual)	10x3k*	SP000250526	SOT23	30	200	0.320	1
BAT54-04W (Dual)	3k*	SP000233428	SOT323	30	200	0.320	1
BAT54-05 (Dual)	3k*	SP000068509	SOT23	30	200	0.320	1
▼ BAT54-05 (Dual)	9x10k*	SP000237224	SOT23	30	200	0.320	1
▼ BAT54-05 (Dual)	10x3k*	SP000237222	SOT23	30	200	0.320	1
BAT54-05W (Dual)	3k*	SP000233429	SOD323	30	200	0.320	1
BAT54-06 (Dual)	3k*	SP000068510	SOT23	30	200	0.320	1
▼ BAT54-06 (Dual)	9x10k*	SP000237225	SOT23	30	200	0.320	1
▼ BAT54-06 (Dual)	10x3k*	SP000237223	SOT23	30	200	0.320	1
BAT54-06W (Dual)	3k*	SP000233430	SOT323	30	200	0.320	1
BAT54W (Dual)	3k*	SP000233431	SOT323	30	200	0.320	1
BAT64	3k*	SP000010307	SOT23	40	250	0.385	1
▼ BAT64	9x10k*	SP000250527	SOT23	40	250	0.385	1
▼ BAT64	10x3k*	SP000250528	SOT23	40	250	0.385	1
BAT64-02W	3k*	SP000012516	SCD80	40	250	0.385	1
BAT64-04 (Dual)	3k*	SP000010309	SOT23	40	250	0.385	1
BAT64-04 (Dual)	10k*	SP000010314	SOT23	40	250	0.385	1
▼ BAT64-04 (Dual)	9x10k*	SP000250384	SOT23	40	250	0.385	1
▼ BAT64-04 (Dual)	10x3k*	SP000250529	SOT23	40	250	0.385	1
BAT64-04W (Dual)	3k*	SP000014600	SOT323	40	250	0.385	1

* Order unit

SMD = Surface Mounted Device

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_R	I_F	V_F	at	I_F
			V	mA	V		mA

AF Diodes

Schottky Diodes (8 mm Tape) (cont'd)

BAT64-05 (Dual)	3k*	SP000010310	SOT23	40	250	0.385	1
▼ BAT64-05 (Dual)	9x10k*	SP000250385	SOT23	40	250	0.385	1
▼ BAT64-05 (Dual)	10x3k*	SP000250530	SOT23	40	250	0.385	1
BAT64-05W (Dual)	3k*	SP000014601	SOT323	40	250	0.385	1
BAT64-06 (Dual)	3k*	SP000010311	SOT23	40	250	0.385	1
▼ BAT64-06 (Dual)	9x10k*	SP000250386	SOT23	40	250	0.385	1
▼ BAT64-06 (Dual)	10x3k*	SP000250531	SOT23	40	250	0.385	1
BAT64-06W (Dual)	3k*	SP000014602	SOT323	40	250	0.385	1
BAT165	3k*	SP000010277	SOD323	40	750	0.580	750
BAT240A (Dual)	3k*	SP000010292	SOT23	240	400	0.325	10

HiRel Schottky Diodes (8 mm Tape)

▼ BAS70-T1		SP000011403	T1	70	70	0.380	10
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* Order unit

SMD = Surface Mounted Device

Small Signal Discretes

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)			
			V_{CEO} V	I_{CM} mA	h_{FE}	at	I_{C} mA	V_{CE} V

AF Transistors

NPN Transistors (8 mm Tape)

▼ BC817K-16	3k*	SP000271788	SOT23	45	1000	100 ... 250	100	1
▼ BC817K-16	10k*	SP000271829	SOT23	45	1000	100 ... 250	100	1
▼ BC817K-16	9x10k*	SP000271786	SOT23	45	1000	100 ... 250	100	1
▼ BC817K-16	10x3k*	SP000271787	SOT23	45	1000	100 ... 250	100	1
▼ BC817K-25	3k*	SP000271875	SOT23	45	1000	160 ... 400	100	1
▼ BC817K-25	10k*	SP000271879	SOT23	45	1000	160 ... 400	100	1
▼ BC817K-25	9x10k*	SP000271870	SOT23	45	1000	160 ... 400	100	1
▼ BC817K-25	10x3k*	SP000271874	SOT23	45	1000	160 ... 400	100	1
▼ BC817K-25W	3k*	SP000271929	SOT323	45	1000	160 ... 400	100	1
▼ BC817K-25W	10k*	SP000271930	SOT323	45	1000	160 ... 400	100	1
▼ BC817K-40	3k*	SP000271895	SOT23	45	1000	250 ... 630	100	1
▼ BC817K-40	10k*	SP000271898	SOT23	45	1000	250 ... 630	100	1
▼ BC817K-40	9x10k*	SP000271887	SOT23	45	1000	250 ... 630	100	1
▼ BC817K-40	10x3k*	SP000271888	SOT23	45	1000	250 ... 630	100	1
▼ BC817K-40W	3k*	SP000271931	SOT323	45	1000	250 ... 630	100	1
▼ BC817SU	3k*	SP000296413	SC74	45	1000	160 ... 400	100	1
▼ BC818K-16W	3k*	SP000271932	SOT323	25	1000	100 ... 250	100	1
▼ BC818K-25	3k*	SP000271900	SOT23	25	1000	160 ... 400	100	1
▼ BC818K-40	3k*	SP000271908	SOT23	25	1000	250 ... 630	100	1
BC846A	3k*	SP000010531	SOT23	65	200	110 ... 220	2	5
BC846A	10k*	SP000010532	SOT23	65	200	110 ... 220	2	5
BC846B	3k*	SP000010530	SOT23	65	200	200 ... 450	2	5
BC846B	10k*	SP000010534	SOT23	65	200	200 ... 450	2	5
BC846B	9x10k*	SP000223940	SOT23	65	200	200 ... 450	2	5
BC846B	10x3k*	SP000223891	SOT23	65	200	200 ... 450	2	5
BC846BW	3k*	SP000010523	SOT323	65	200	200 ... 450	2	5
BC847A	3k*	SP000010571	SOT23	45	200	110 ... 220	2	5
BC847B	3k*	SP000010559	SOT23	45	200	200 ... 450	2	5
BC847B	10k*	SP000010576	SOT23	45	200	200 ... 450	2	5
BC847B	9x10k*	SP000223941	SOT23	45	200	200 ... 450	2	5
BC847B	10x3k*	SP000223887	SOT23	45	200	200 ... 450	2	5
BC847BL3	15k*	SP000013553	TSLP-3-1	45	200	200 ... 450	2	5
BC847BW	3k*	SP000010606	SOT323	45	200	200 ... 450	2	5
BC847C	3k*	SP000010565	SOT23	45	200	420 ... 800	2	5
BC847C	10k*	SP000010590	SOT23	45	200	420 ... 800	2	5
BC847C	9x10k*	SP000223942	SOT23	45	200	420 ... 800	2	5
BC847C	10x3k*	SP000223890	SOT23	45	200	420 ... 800	2	5
BC847CW	3k*	SP000010607	SOT323	45	200	420 ... 800	2	5
BC847CW	10k*	SP000010616	SOT323	45	200	420 ... 800	2	5
BC847CW	10x3k*	SP000056355	SOT323	45	200	420 ... 800	2	5
BC848A	3k*	SP000010568	SOT23	30	200	110 ... 220	2	5
BC848B	3k*	SP000010561	SOT23	30	200	200 ... 450	2	5
BC848B	10k*	SP000010581	SOT23	30	200	200 ... 450	2	5
BC848BL3	15k*	SP000013554	TSLP-3-1	30	200	200 ... 450	2	5
BC848BW	3k*	SP000010610	SOT323	30	200	200 ... 450	2	5

* Order unit

SMD = Surface Mounted Device

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)			
			V_{CEO} V	I_{CM} mA	h_{FE} at	I_{C} mA	V_{CE} V	
AF Diodes								
NPN Diodes (8 mm Tape) (cont'd)								
BC848C	3k*	SP000010552	SOT23	30	200	420 ... 800	2	5
BC848C	10k*	SP000010582	SOT23	30	200	420 ... 800	2	5
BC848CW	3k*	SP000010611	SOT323	30	200	420 ... 800	2	5
BC849B	3k*	SP000010567	SOT23	30	200	200 ... 450	2	5
BC849C	3k*	SP000010564	SOT23	30	200	420 ... 800	2	5
BC849CW	3k*	SP000010613	SOT323	30	200	420 ... 800	2	5
BC850B	3k*	SP000010572	SOT23	45	200	200 ... 450	2	5
BC850B	9x10k*	SP000223943	SOT23	45	200	200 ... 450	2	5
BC850B	10x3k*	SP000223897	SOT23	45	200	200 ... 450	2	5
BC850BW	3k*	SP000010614	SOT323	45	200	200 ... 450	2	5
BC850C	3k*	SP000010563	SOT23	45	200	420 ... 800	2	5
BC850C	10x3k*	SP000223898	SOT23	45	200	420 ... 800	2	5
BC850CW	3k*	SP000010615	SOT323	45	200	420 ... 800	2	5
BCW60B	3k*	SP000010551	SOT23	32	200	180 ... 310	2	5
BCW60C	3k*	SP000010548	SOT23	32	200	250 ... 460	2	5
BCW60D	3k*	SP000010549	SOT23	32	200	380 ... 630	2	5
BCW60FF	3k*	SP000010554	SOT23	32	200	250 ... 460	2	5
BCW66F	3k*	SP000010504	SOT23	45	1000	100 ... 250	100	1
▼ BCW66KF	3k*	SP000271902	SOT23	45	1000	100 ... 250	100	1
▼ BCW66KG	3k*	SP000271904	SOT23	45	1000	160 ... 400	100	1
▼ BCW66KG	10k*	SP000301110	SOT23	45	1000	160 ... 400	100	1
▼ BCW66KH	3k*	SP000271906	SOT23	45	1000	250 ... 630	100	1
▼ BCW66KH	10x3k*	SP000271905	SOT23	45	1000	250 ... 630	100	1
BCX41	3k*	SP000010894	SOT23	125	1000	≥ 63	100	1
BCX70G	3k*	SP000010555	SOT23	45	200	120 ... 220	2	5
BCX70H	3k*	SP000010550	SOT23	45	200	180 ... 310	2	5
BCX70H	10k*	SP000010578	SOT23	45	200	180 ... 310	2	5
BCX70J	3k*	SP000010556	SOT23	45	200	250 ... 460	2	5
BCX70J	10k*	SP000010573	SOT23	45	200	250 ... 460	2	5
BCX70K	3k*	SP000010558	SOT23	45	200	380 ... 630	2	5
BDP947	1k*	SP000010931	SOT223	45	5000	40 ... 475	500	1
BDP949	1k*	SP000010932	SOT223	60	5000	40 ... 475	500	1
BDP953	1k*	SP000010934	SOT223	100	5000	40 ... 475	500	1
SMBT2222A	3k*	SP000011176	SOT23	40	600	100 ... 300	150	10
MMBT2222A	3k*	SP000011174	SOT23	40	600	100 ... 300	150	10
SMBT3904	3k*	SP000011673	SOT23	40	200	100 ... 300	10	1
SMBT3904	10k*	SP000011675	SOT23	40	200	100 ... 300	10	1
SMBT3904	9x10k*	SP000223947	SOT23	40	200	100 ... 300	10	1
SMBT3904	10x3k*	SP000223860	SOT23	40	200	100 ... 300	10	1
MMBT3904	3k*	SP000011671	SOT23	40	200	100 ... 300	10	1
MMBT3904	10k*	SP000011670	SOT23	40	200	100 ... 300	10	1
SMBTA06	3k*	SP000011686	SOT23	80	500	≥ 100	100	1
MMBTA06	3k*	SP000011685	SOT23	80	500	≥ 100	100	1
SMBTA06	10k*	SP000011688	SOT23	80	500	≥ 100	100	1

* Order unit

SMD = Surface Mounted Device



Small Signal Discretes

Type	Ordering Code	Package	Maximum Ratings				Resistance Value	
			V_{CE0}	$V_{I(on) max}$	I_C	P_{tot}	R_1	R_2
			V	V	mA	mW	k Ω	k Ω

AF Transistors

NPN Digital Transistors (8 mm Tape)

BCR108	3k*	SP000010736	SOT23	50	10	100	200	2.2	47
BCR108	10k*	SP000010737	SOT23	50	10	100	200	2.2	47
BCR108	10x3k*	SP000056348	SOT23	50	10	100	200	2.2	47
BCR108T	3k*	SP000012799	SC75	50	10	100	250	2.2	47
BCR108W	3k*	SP000010746	SOT323	50	10	100	250	2.2	47
BCR112	3k*	SP000010747	SOT23	50	15	100	200	4.7	4.7
BCR112W	3k*	SP000010748	SOT323	50	15	100	250	4.7	4.7
BCR116	3k*	SP000010749	SOT23	50	15	100	200	4.7	47
BCR116	10k*	SP000010751	SOT23	50	15	100	200	4.7	47
BCR116F	3k*	SP000013047	TSFP-3	50	15	100	250	4.7	47
BCR116L3	15k*	SP000014853	TSLP-3-4	50	15	100	250	4.7	47
BCR116T	3k*	SP000014775	SC75	50	15	100	250	4.7	47
BCR116W	3k*	SP000012264	SOT323	50	15	100	250	4.7	47
BCR119	3k*	SP000010752	SOT23	50	15	100	200	4.7	–
BCR119	10k*	SP000010754	SOT23	50	15	100	200	4.7	–
BCR119W	3k*	SP000012267	SOT323	50	15	100	250	4.7	–
BCR129	3k*	SP000012520	SOT23	50	20	100	200	10	–
BCR129W	3k*	SP000014963	SOT323	50	20	100	250	10	–
BCR133	3k*	SP000010757	SOT23	50	20	100	200	10	10
BCR133	10k*	SP000010759	SOT23	50	20	100	200	10	10
BCR133	10x3k*	SP000056346	SOT23	50	20	100	200	10	10
BCR133L3	15k*	SP000013564	TSLP-3-4	50	20	100	250	10	10
BCR133W	3k*	SP000010764	SOT323	50	20	100	250	10	10
BCR135	3k*	SP000010765	SOT23	50	20	100	200	10	47
BCR135	10k*	SP000010767	SOT23	50	20	100	200	10	47
BCR135W	3k*	SP000010768	SOT323	50	20	100	250	10	47
BCR141	3k*	SP000010769	SOT23	50	30	100	200	22	22
BCR141	10k*	SP000010771	SOT23	50	30	100	200	22	22
BCR141W	3k*	SP000010773	SOT323	50	30	100	250	22	22
BCR142	3k*	SP000010775	SOT23	50	30	100	200	22	47
BCR142	10x3k*	SP000010774	SOT23	50	30	100	200	22	47
BCR142W	3k*	SP000012269	SOT323	50	30	100	250	22	47
BCR146	3k*	SP000010777	SOT23	50	50	70	200	47	22
BCR148	3k*	SP000010780	SOT23	50	50	70	200	47	47
BCR148	10x3k*	SP000056351	SOT23	50	50	70	200	47	47
BCR148W	3k*	SP000010783	SOT323	50	50	70	250	47	47
BCR503	3k*	SP000010839	SOT23	50	12	500	330	2.2	2.2
BCR503	10x3k*	SP000056345	SOT23	50	12	500	330	2.2	2.2
BCR505	3k*	SP000010841	SOT23	50	12	500	330	2.2	10
BCR512	3k*	SP000010844	SOT23	50	30	500	330	4.7	4.7
BCR512	10x3k*	SP000056341	SOT23	50	30	500	330	4.7	4.7
BCR521	3k*	SP000010845	SOT23	50	10	500	330	1.0	1.0
BCR523	3k*	SP000010851	SOT23	50	12	500	330	1.0	10
BCR523	10k*	SP000010852	SOT23	50	12	500	330	1.0	10
BCR533	3k*	SP000010853	SOT23	50	40	500	330	10	10

* Order unit

SMD = Surface Mounted Device

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)				
			V_{CEO} V	I_{CM} mA	f_{T} MHz	h_{FE} at	I_{C} mA	V_{CE} V	

AF Transistors

NPN Transistors (12 mm Tape)

BCP54	1k*	SP000010707	SOT223	45	1500	125	40 ... 250	150	2
BCP54-16	1k*	SP000010709	SOT223	45	1500	125	100 ... 250	150	2
BCP54-16	4k*	SP000010717	SOT223	45	1500	125	100 ... 250	150	2
BCP55	1k*	SP000010713	SOT223	60	1500	125	40 ... 250	150	2
BCP55-16	1k*	SP000010711	SOT223	60	1500	125	100 ... 250	150	2
BCP56-10	1k*	SP000010712	SOT223	80	1500	125	63 ... 160	150	2
BCP56-10	4k*	SP000010718	SOT223	80	1500	125	63 ... 160	150	2
BCP56-16	1k*	SP000010706	SOT223	80	1500	125	100 ... 250	150	2
BCP 68-25	1k*	SP000010721	SOT223	20	2000	100	160 ... 375	500	1
BCX54-16	1k*	SP000010918	SOT89	45	1500	100	100 ... 250	150	2
BCX55	1k*	SP000010916	SOT89	60	1500	100	40 ... 250	150	2
BCX55-16	1k*	SP000010920	SOT89	60	1500	100	100 ... 250	150	2
BCX55-16	4k*	SP000010922	SOT89	60	1500	100	100 ... 250	150	2
BCX56	1k*	SP000010914	SOT89	80	1500	100	40 ... 250	150	2
BCX56-10	1k*	SP000010915	SOT89	80	1500	100	63 ... 160	150	2
BCX56-16	1k*	SP000010913	SOT89	80	1500	100	100 ... 250	150	2
BCX56-16	4k*	SP000017942	SOT89	80	1500	100	100 ... 250	150	2
BCX68-10	1k*	SP000010924	SOT89	20	2000	100	85 ... 160	500	1
BCX68-16	1k*	SP000010925	SOT89	20	2000	100	100 ... 250	500	1
BCX68-25	1k*	SP000010926	SOT89	20	2000	100	160 ... 375	500	1

* Order unit

SMD = Surface Mounted Device

Small Signal Discretes

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)			
			V_{CEO} V	I_{CM} mA	h_{FE}	at	I_{C} mA	V_{CE} V

AF Transistors

PNP Transistors (8 mm Tape)

BC807-16	3k*	SP000010474	SOT23	45	1000	100 ... 250	100	1
BC807-16	10k*	SP000010475	SOT23	45	1000	100 ... 250	100	1
BC807-16W	3k*	SP000014778	SOT323	45	1000	100 ... 250	100	1
BC807-25	3k*	SP000010472	SOT23	45	1000	160 ... 400	100	1
BC807-25	10k*	SP000010478	SOT23	45	1000	160 ... 400	100	1
BC807-25	9x10k*	SP000223932	SOT23	45	1000	160 ... 400	100	1
BC807-25	10x3k*	SP000223880	SOT23	45	1000	160 ... 400	100	1
BC807-25W	3k*	SP000014779	SOT323	45	1000	160 ... 400	100	1
BC807-40	3k*	SP000010473	SOT23	45	1000	250 ... 630	100	1
BC807-40	10k*	SP000010477	SOT23	45	1000	250 ... 630	100	1
BC807-40	9x10k*	SP000223933	SOT23	45	1000	250 ... 630	100	1
BC807-40	10x3k*	SP000223878	SOT23	45	1000	250 ... 630	100	1
BC807-40W	3k*	SP000014688	SOT323	45	1000	250 ... 630	100	1
BC807-40W	10k*	SP000014689	SOT323	45	1000	250 ... 630	100	1
BC808-25	3k*	SP000015031	SOT23	25	1000	160 ... 400	100	1
BC808-25	10k*	SP000015033	SOT23	25	1000	160 ... 400	100	1
BC808-25W	3k*	SP000014777	SOT323	25	1000	160 ... 400	100	1
BC808-40	3k*	SP000015032	SOT23	25	1000	250 ... 630	100	1
BC808-40	10x3k*	SP000095913	SOT23	25	1000	250 ... 630	100	1
BC808-40W	3k*	SP000010462	SOT323	25	1000	250 ... 630	100	1
BC856A	3k*	SP000012934	SOT23	65	200	125 ... 250	2	5
BC856B	3k*	SP000012935	SOT23	65	200	220 ... 475	2	5
BC856B	10k*	SP000012936	SOT23	65	200	220 ... 475	2	5
BC856BW	3k*	SP000012943	SOT323	65	200	220 ... 475	2	5
BC856BW	10k*	SP000012945	SOT323	65	200	220 ... 475	2	5
BC857A	3k*	SP000010639	SOT23	45	200	125 ... 250	2	5
BC857B	3k*	SP000010633	SOT23	45	200	220 ... 475	2	5
BC857B	10k*	SP000010648	SOT23	45	200	220 ... 475	2	5
BC857B	9x10k*	SP000223944	SOT23	45	200	220 ... 475	2	5
BC857B	10x3k*	SP000223899	SOT23	45	200	220 ... 475	2	5
BC857BL3	3k*	SP000013556	TSLP-3-1	45	200	220 ... 475	2	5
BC857BW	3k*	SP000010672	SOT323	45	200	220 ... 475	2	5
BC857C	3k*	SP000010640	SOT23	45	200	420 ... 800	2	5
BC857C	10k*	SP000010660	SOT23	45	200	420 ... 800	2	5
BC857C	9x10k*	SP000223945	SOT23	45	200	420 ... 800	2	5
BC857C	10x3k*	SP000223900	SOT23	45	200	420 ... 800	2	5
BC857CW	3k*	SP000010673	SOT323	45	200	420 ... 800	2	5
BC857CW	10k*	SP000010682	SOT323	45	200	420 ... 800	2	5
BC858A	3k*	SP000010636	SOT23	30	200	125 ... 250	2	5
BC858B	3k*	SP000010634	SOT23	30	200	220 ... 475	2	5
BC858B	10k*	SP000010652	SOT23	30	200	220 ... 475	2	5
BC858BL3	3k*	SP000013555	TSLP-3-1	30	200	220 ... 475	2	5
BC858BW	3k*	SP000010675	SOT323	30	200	220 ... 475	2	5

* Order unit

SMD = Surface Mounted Device

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)			
			V_{CEO} V	I_{CM} mA	h_{FE}	at	I_{C} mA	V_{CE} V

AF Transistors

PNP Transistors (8 mm Tape)
(cont'd)

BC858C	3k*	SP000010624	SOT23	30	200	420 ... 800	2	5
BC858C	10k*	SP000010654	SOT23	30	200	420 ... 800	2	5
BC858CW	3k*	SP000010676	SOT323	30	200	420 ... 800	2	5
BC859C	3k*	SP000010637	SOT23	30	200	420 ... 800	2	5
BC860B	3k*	SP000010642	SOT23	45	200	220 ... 475	2	5
BC860BW	3k*	SP000010680	SOT323	45	200	220 ... 475	2	5
BC860C	9x10k*	SP000223946	SOT23	45	200	420 ... 800	2	5
BC860C	10x3k*	SP000223901	SOT23	45	200	420 ... 800	2	5
BC860CW	3k*	SP000010681	SOT323	45	200	420 ... 800	2	5
BCW61A	3k*	SP000010621	SOT23	32	200	120 ... 220	2	5
BCW61B	3k*	SP000010629	SOT23	32	200	180 ... 310	2	5
BCW61C	3k*	SP000010622	SOT23	32	200	250 ... 460	2	5
BCW61D	3k*	SP000010627	SOT23	32	200	380 ... 630	2	5
BCW67A	3k*	SP000015036	SOT23	32	1000	100 ... 250	100	1
BCW67B	3k*	SP000015035	SOT23	32	1000	160 ... 400	100	1
BCW67C	3k*	SP000015037	SOT23	32	1000	250 ... 630	100	1
BCW68F	3k*	SP000015041	SOT23	45	1000	100 ... 250	100	1
BCW68G	3k*	SP000015039	SOT23	45	1000	160 ... 400	100	1
BCW68H	3k*	SP000015040	SOT23	45	1000	250 ... 630	100	1
BCX42	3k*	SP000010900	SOT23	125	1000	≥ 63	100	1
BCX42	10k*	SP000010902	SOT23	125	1000	≥ 63	100	1
BCX71G	3k*	SP000010623	SOT23	45	200	120 ... 220	2	5
BCX71H	3k*	SP000010631	SOT23	45	200	180 ... 310	2	5
BCX71J	3k*	SP000010625	SOT23	45	200	250 ... 460	2	5
BCX71J	10k*	SP000010647	SOT23	45	200	250 ... 460	2	5
BCX71K	3k*	SP000010632	SOT23	45	200	380 ... 630	2	5
BDP948	1k*	SP000010938	SOT223	45	5000	40 ... 475	500	1
BDP948	4k*	SP000010943	SOT223	45	5000	40 ... 475	500	1
BDP950	1k*	SP000010939	SOT223	60	5000	40 ... 475	500	1
BDP954	1k*	SP000010941	SOT223	100	5000	40 ... 475	500	1
SMBT2907A	3k*	SP000011181	SOT23	60	600	100 ... 300	150	10
MMBT2907A	3k*	SP000011179	SOT23	60	600	100 ... 300	150	10
SMBT3906	3k*	SP000011680	SOT23	40	200	100 ... 300	10	1
SMBT3906	9x10k*	SP000223948	SOT23	40	200	100 ... 300	10	1
SMBT3906	10x3k*	SP000223858	SOT23	40	200	100 ... 300	10	1
MMBT3906	3k*	SP000011678	SOT23	40	200	100 ... 300	10	1
SMBTA56	3k*	SP000011692	SOT23	80	500	≥ 100	100	1
MMBTA56	3k*	SP000011691	SOT23	80	500	≥ 100	100	1
SMBTA56	10k*	SP000011695	SOT23	80	500	≥ 100	100	1

* Order unit

SMD = Surface Mounted Device



Small Signal Discretes

Type	Ordering Code	Package	Maximum Ratings				Resistance Values	
			V_{CE0} V	$V_{I(on)max}$ V	I_C mA	P_{tot} mW	R_1 k Ω	R_2 k Ω

AF Transistors

PNP Digital Transistors (8 mm Tape)

BCR158	3k*	SP000010784	SOT23	50	10	100	200	2.2	47
BCR158W	3k*	SP000012761	SOT323	50	10	100	250	2.2	47
BCR158W	10x3k*	SP000056347	SOT323	50	10	100	250	2.2	47
BCR162	3k*	SP000010785	SOT23	50	15	100	200	4.7	4.7
BCR162	10x3k*	SP000056352	SOT23	50	15	100	200	4.7	4.7
BCR166	3k*	SP000010788	SOT23	50	15	100	200	4.7	47
BCR166	10k*	SP000010791	SOT23	50	15	100	200	4.7	47
BCR166	10x3k*	SP000056344	SOT23	50	15	100	200	4.7	47
BCR166W	3k*	SP000012875	SOT323	50	15	100	250	4.7	47
BCR169	3k*	SP000010793	SOT23	50	15	100	200	4.7	–
BCR169W	3k*	SP000012271	SOT323	50	15	100	250	4.7	–
BCR183	3k*	SP000010794	SOT23	50	20	100	200	10	10
BCR183	10k*	SP000010796	SOT23	50	20	100	200	10	10
BCR183	10x3k*	SP000057461	SOT23	50	20	100	200	10	10
BCR183W	3k*	SP000010805	SOT323	50	20	100	250	10	10
BCR185	3k*	SP000010806	SOT23	50	20	100	200	10	47
BCR185	10k*	SP000010807	SOT23	50	20	100	200	10	47
BCR185W	3k*	SP000010808	SOT323	50	20	100	250	10	47
BCR191	3k*	SP000010810	SOT23	50	30	100	200	22	22
BCR191W	3k*	SP000012275	SOT323	50	30	100	250	22	22
BCR192	3k*	SP000010812	SOT23	50	30	100	200	22	47
BCR192	10x3k*	SP000056349	SOT23	50	30	100	200	22	47
BCR192W	3k*	SP000010816	SOT323	50	30	100	250	22	47
BCR196	3k*	SP000014762	SOT23	50	50	70	250	47	22
BCR196W	3k*	SP000018040	SOT323	50	50	70	250	47	22
BCR198	3k*	SP000010817	SOT23	50	50	70	200	47	47
BCR198	10k*	SP000010820	SOT23	50	50	70	200	47	47
BCR198	10x3k*	SP000056350	SOT23	50	50	70	200	47	47
BCR198W	3k*	SP000010824	SOT323	50	50	70	250	47	47
BCR553	3k*	SP000010854	SOT23	50	12	500	330	2.2	2.2
BCR555	3k*	SP000010855	SOT23	50	10	500	330	2.2	10
BCR555	10k*	SP000010857	SOT23	50	10	500	330	2.2	10
BCR562	3k*	SP000010859	SOT23	50	30	500	330	4.7	4.7
BCR573	3k*	SP000010861	SOT23	50	12	500	330	1	10
BCR573	10k*	SP000010860	SOT23	50	12	500	330	1	10
BCR583	3k*	SP000012278	SOT23	50	20	500	330	10	10

* Order unit

SMD = Surface Mounted Device

Type	Ordering Code	Package	Maximum Ratings			
			V_S	V_{drop}	at I_d	P_{tot}
			V	V	mA	mW

Monolithic ICs

LED Driver (8 mm Tape)

BCR401R	3k*	SP000013678	SOT143	18	0.75	20	330
▼ BCR401W	3k*	SP000274678	SOT343	18	0.75	20	500
BCR402R	3k*	SP000013057	SOT143	18	0.75	20	330
BCR402U	3k*	SP000013482	SC74	40	0.85	20	500
▼ BCR402W	3k*	SP000274679	SOT343	18	0.75	20	500
BCR405U	3k*	SP000013481	SC74	40	0.80	50	500

SSICs Active Bias Controller (8 mm Tape)

BCR400W	3k*	SP000010834	SOT343	18	0.65	25	330
BCR410W	3k*	SP000012946	SOT343	18	0.11	10	100

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_{CE0}	I_{CM}	h_{FE}	at I_C	V_{CE}
			V	mA		mA	V

AF Transistors

PNP Transistors (12 mm Tape)

BCP51	1k*	SP000010692	SOT223	45	1500	40 ... 250	150	2
BCP51-16	1k*	SP000010694	SOT223	45	1500	100 ... 250	150	2
BCP51-16	4k*	SP000010703	SOT223	45	1500	100 ... 250	150	2
BCP52-16	1k*	SP000010696	SOT223	60	1500	100 ... 250	150	2
BCP53-10	1k*	SP000010697	SOT223	100	1500	63 ... 160	150	2
BCP53-16	1k*	SP000010698	SOT223	100	1500	100 ... 250	150	2
BCP53-16	4k*	SP000010702	SOT223	100	1500	100 ... 250	150	2
BCP69-25	1k*	SP000015154	SOT223	20	2000	160 ... 375	500	1
BCX51	1k*	SP000014826	SOT89	45	1500	40 ... 250	150	2
BCX51-16	1k*	SP000014827	SOT89	45	1500	100 ... 250	150	2
BCX52	1k*	SP000014828	SOT89	60	1500	40 ... 250	150	2
BCX52-16	1k*	SP000014830	SOT89	60	1500	100 ... 250	150	2
BCX53	1k*	SP000010906	SOT89	80	1500	40 ... 250	150	2
BCX53-10	1k*	SP000010908	SOT89	80	1500	63 ... 160	150	2
BCX53-16	1k*	SP000010907	SOT89	80	1500	100 ... 250	150	2
BCX53-16	4k*	SP000010909	SOT89	80	1500	100 ... 250	150	2
BCX69-10	1k*	SP000010928	SOT89	20	2000	85 ... 160	500	1
BCX69-16	1k*	SP000010929	SOT89	20	2000	100 ... 250	500	1
BCX69-25	1k*	SP000010930	SOT89	20	2000	160 ... 375	500	1

* Order unit

SMD = Surface Mounted Device



Small Signal Discretes

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)				
			V_{CEO} V	I_{CM} mA	f_T MHz	h_{FE} at	I_C mA	V_{CE} V	

AF Transistors

NPN Darlington Transistors (8 mm Tape)

BCV27	3k*	SP000010865	SOT23	30	800	170	≥ 20000	100	5
BCV47	3k*	SP000010866	SOT23	60	800	170	≥ 10000	100	5
BCV47	10k*	SP000010864	SOT23	60	800	170	≥ 10000	100	5
SMBTA14	3k*	SP000010872	SOT23	30	500	≥ 125	≥ 20000	100	5
MMBTA14	3k*	SP000010862	SOT23	30	500	≥ 125	≥ 20000	100	5

PNP Darlington Transistors (8 mm Tape)

BCV26	3k*	SP000010874	SOT23	30	500	200	≥ 20000	100	5
BCV46	3k*	SP000010873	SOT23	60	500	170	≥ 10000	100	5

NPN Darlington Transistors (12 mm Tape)

BCP49	1k*	SP000010685	SOT223	60	800	200	≥ 10000	100	5
BCV29	1k*	SP000010883	SOT89	30	800	150	≥ 20000	100	5
BCV49	1k*	SP000010882	SOT89	60	800	150	≥ 10000	100	5
BSP50	1k*	SP000011126	SOT223	45	2000	200	≥ 2000	500	10
BSP51	1k*	SP000011127	SOT223	60	2000	200	≥ 2000	500	10
BSP52	1k*	SP000011128	SOT223	80	2000	200	≥ 2000	500	10
PZTA14	1k*	SP000010688	SOT223	30	500	≥ 125	≥ 20000	100	5

PNP Darlington Transistors (12 mm Tape)

BCV28	1k*	SP000010879	SOT89	30	800	200	≥ 20000	100	5
BCV48	1k*	SP000010880	SOT89	60	800	200	≥ 10000	100	5
BSP60	1k*	SP000011131	SOT223	45	2000	200	≥ 2000	500	10
BSP60	4k*	SP000011135	SOT223	45	2000	200	≥ 2000	500	10
BSP61	1k*	SP000011132	SOT223	60	2000	200	≥ 2000	500	10
BSP62	1k*	SP000011133	SOT223	80	2000	200	≥ 2000	500	10

* Order unit

SMD = Surface Mounted Device

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)				
			V_{CEO} V	I_{CM} mA	f_T MHz	h_{FE} at	I_C mA	V_{CE} V	

AF Transistors

NPN High Voltage Transistors (8 mm Tape)

BFN24	3k*	SP000014784	SOT23	250	500	70	≥ 40	30	10
BFN26	3k*	SP000014785	SOT23	300	500	70	≥ 30	30	10
BFN26	10k*	SP000014786	SOT23	300	500	70	≥ 30	30	10
SMBTA42	3k*	SP000011000	SOT23	300	500	70	≥ 40	30	10
MMBTA42	3k*	SP000010999	SOT23	300	500	70	≥ 40	30	10
SMBTA42	10k*	SP000011001	SOT23	300	500	70	≥ 40	30	10

PNP High Voltage Transistors (8 mm Tape)

BFN27	3k*	SP000014782	SOT23	300	500	100	≥ 30	30	10
SMBTA92	3k*	SP000011004	SOT23	300	500	100	≥ 25	30	10
MMBTA92	3k*	SP000011002	SOT23	300	500	100	≥ 25	30	10
SMBTA92	10k*	SP000011005	SOT23	300	500	100	≥ 25	30	10
PZTA92	4k*	SP000011009	SOT223	300	500	100	≥ 25	30	10

NPN High Voltage Transistors (12 mm Tape)

BFN18	1k*	SP000010997	SOT89	300	500	70	≥ 30	30	10
BFN38	1k*	SP000011006	SOT223	300	500	70	≥ 30	30	10
PZTA42	1k*	SP000014780	SOT223	300	500	70	≥ 40	30	10

PNP High Voltage Transistors (12 mm Tape)

BFN19	1k*	SP000010998	SOT89	300	500	100	≥ 30	30	10
BFN39	1k*	SP000014781	SOT223	300	500	100	≥ 30	30	10

* Order unit

SMD = Surface Mounted Device

Small Signal Discretes

Type	Ordering Code	Package	Maximum Ratings				Resistance Values	
			V_{CEO}	$V_{I(on) max}$	I_C	P_{tot}	R_1	R_2
			V	V	mA	mW	k Ω	k Ω

AF Transistors

Dual Digital Transistor Arrays NPN/PNP (8 mm Tape)

BCR08PN	3k*	SP000010727	SOT363	50	50	100	250	2.2	47
BCR08PN	10k*	SP000083564	SOT363	50	50	100	250	2.2	47
BCR08PN	10x3k*	SP000010726	SOT363	50	50	100	250	2.2	47
BCR0PN	3k*	SP000010732	SOT363	50	25	100	250	10	10
BCR0PN	10x3k*	SP000010731	SOT363	50	25	100	250	10	10
BCR22PN	3k*	SP000010826	SOT363	50	30	100	250	22	22
BCR22PN	10k*	SP000010827	SOT363	50	30	100	250	22	22
BCR35PN	3k*	SP000010831	SOT363	50	20	100	250	10	47
BCR35PN	10k*	SP000010832	SOT363	50	20	100	250	10	47
BCR48PN	3k*	SP000010836	SOT363	50	50/10	100	250	47/2.2	47/47
BCR48PN	10k*	SP000010837	SOT363	50	50/10	100	250	47/2.2	47/47

Dual Digital Transistor Arrays NPN (8 mm Tape)

BCR108S	3k*	SP000010743	SOT363	50	10	100	250	2.2	47
BCR108S	10k*	SP000010740	SOT363	50	10	100	250	2.2	47
BCR116S	3k*	SP000012266	SOT363	50	15	100	250	4.7	47
BCR119S	3k*	SP000012331	SOT363	50	15	100	250	4.7	–
BCR119S	10k*	SP000012332	SOT363	50	15	100	250	4.7	–
BCR129S	3k*	SP000010755	SOT363	50	20	100	250	10	–
BCR133S	3k*	SP000010761	SOT363	50	20	100	250	10	10
BCR133S	10x3k*	SP000056343	SOT363	50	20	100	250	10	10
BCR133S	10k*	SP000010763	SOT363	50	20	100	250	10	10
BCR135S	3k*	SP000012335	SOT363	50	20	100	250	10	47
BCR141S	3k*	SP000012336	SOT363	50	30	100	250	22	22
BCR148S	3k*	SP000012338	SOT363	50	50	70	250	47	47
BCR148S	10k*	SP000012339	SOT363	50	50	70	250	47	47
BCR169S	3k*	SP000012272	SOT363	50	15	100	250	4.7	–
BCR183S	3k*	SP000010802	SOT363	50	20	100	250	10	10
BCR183S	10k*	SP000010804	SOT363	50	20	100	250	10	10
BCR185S	3k*	SP000012273	SOT363	50	20	100	250	10	47
BCR185S	10x3k*	SP000056342	SOT363	50	20	100	250	10	47
BCR198S	3k*	SP000010822	SOT363	50	50	70	250	47	47
BCR523U	3k*	SP000013381	SC74	50	12	500	330	1.0	10

* Order unit

SMD = Surface Mounted Device

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)				
			V_{CEO} V	I_{CM} mA	f_T MHz	h_{FE} at	I_C mA	V_{CE} V	

AF Transistors

NPN Double Transistors (8 mm Tape)

BCV61A	3k*	SP000010885	SOT143	30	200	250	110 ... 220	100	5
BCV61B	3k*	SP000010886	SOT143	30	200	250	200 ... 450	100	5
BCV61C	3k*	SP000010887	SOT143	30	200	250	420 ... 800	100	5

PNP Double Transistors (8 mm Tape)

BCV62A	3k*	SP000010889	SOT143	30	200	250	125 ... 220	100	5
BCV62B	3k*	SP000010890	SOT143	30	200	250	220 ... 475	100	5
BCV62B	10k*	SP000010893	SOT143	30	200	250	220 ... 475	100	5
BCV62C	3k*	SP000010891	SOT143	30	200	250	420 ... 800	100	5

Dual Transistor Arrays NPN/PNP (8 mm Tape)

BC817UPN	3k*	SP000012398	SC74	45	1000	170	160 ... 400	100	1
BC817UPN	10x3k*	SP000056357	SC74	45	1000	170	160 ... 400	100	1
BC846PN	3k*	SP000010518	SOT363	65	200	250	200 ... 450	2	5
BC846UPN	3k*	SP000012621	SC74	65	200	250	200 ... 450	2	5
BC847PN	3k*	SP000010593	SOT363	45	200	250	110 ... 630	2	5
BC847PN	10x3k*	SP000056358	SOT363	45	200	250	110 ... 630	2	5
BC847PN	10k*	SP000010594	SOT363	45	200	250	110 ... 630	2	5
SMBT3904PN	3k*	SP000014740	SOT363	40	200	250	100 ... 300	10	1
SMBT3904UPN	3k*	SP000012617	SC74	40	200	250	100 ... 300	10	1
SMBTA06UPN	3k*	SP000012393	SC74	80	500	100	≥100	10	1

Dual Transistor Arrays NPN (8 mm Tape)

BC817U	3k*	SP000012394	SC74	45	1000	170	160 ... 400	100	1
BC846S	3k*	SP000010521	SOT363	65	200	250	200 ... 450	2	5
BC846S	10k*	SP000010522	SOT363	65	200	250	200 ... 450	2	5
BC846U	3k*	SP000012619	SC74	65	100	250	200 ... 450	2	5
BC847S	3k*	SP000010598	SOT363	45	200	250	110 ... 630	2	5
BC847S	10k*	SP000010599	SOT363	45	200	250	110 ... 630	2	5
BCM846S	3k*	SP000013958	SOT363	65	200	250	200 ... 650	2	5
SMBT3904S	3k*	SP000014737	SOT363	40	200	250	100 ... 300	10	1
SMBT3904U	3k*	SP000012615	SC74	40	200	300	100 ... 300	10	1

Dual Transistor Arrays PNP (8 mm Tape)

BC807U	3k*	SP000012395	SC74	45	500	200	160 ... 400	100	1
BC856S	3k*	SP000012942	SOT363	65	200	250	200 ... 475	2	5
BC856S	10k*	SP000012941	SOT363	65	200	250	200 ... 475	2	5
BC856U	3k*	SP000012620	SC74	65	100	250	200 ... 650	2	5
BC857S	3k*	SP000010666	SOT363	45	200	250	200 ... 630	2	5
BC857S	10k*	SP000010667	SOT363	45	200	250	200 ... 630	2	5
BCM856S	3k*	SP000014127	SOT363	65	200	250	200 ... 450	2	5
SMBT3906S	3k*	SP000016694	SOT363	40	200	250	100 ... 300	10	1
SMBT3906U	3k*	SP000012616	SC74	40	200	250	100 ... 300	10	1

* Order unit

SMD = Surface Mounted Device



Small Signal Discretes

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)				
			V_R V	I_F mA	C_T pF	at	V_R V	r_f Ω	at

RF Diodes

Switch Diodes (8 mm Tape)

BAR81W	3k*	SP000010192	SOT343	30	100	0.60	1	0.70	5
BAT18-04	3k*	SP000010290	SOT23	35	100	0.92	1	0.40	5
BAT18-05	3k*	SP000010291	SOT23	35	100	0.92	1	0.40	5

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_R V	I_F mA	V_F mV	at	I_F mA

Schottky Diodes (8 mm Tape)

BAS125-04W (Dual)	3k*	SP000012255	SOT323	25	100	385		1
BAS125-05W (Dual)	3k*	SP000012256	SOT323	25	100	385		1
BAS125-06W (Dual)	3k*	SP000012257	SOT323	25	100	385		1
BAS125-07W (Dual)	3k*	SP000010198	SOT343	25	100	385		1
BAT15-02LRH	15k*	SP000055124	TSLP-2-7	4	110	230		1
BAT15-03W	3k*	SP000010272	SOD323	4	110	230		1
BAT15-04W (Dual)	3k*	SP000012598	SOT323	4	110	230		1
BAT15-05W (Dual)	3k*	SP000012597	SOT323	4	110	230		1
BAT15-07LRH	15k*	SP000055813	TSLP-4-7	4	110	230		1
BAT15-098LRH	15k*	SP000055342	TSLP-4-7	4	110	230		1
BAT15-099 (Dual)	3k*	SP000010273	SOT143	4	110	230		1
BAT15-099 (Dual)	10k*	SP000010275	SOT143	4	110	230		1
BAT15-099LRH	15k*	SP000055343	TSLP-4-7	4	110	230		1
BAT15-099R (Quad)	3k*	SP000010276	SOT143	—	110	230		1
BAT17	3k*	SP000010280	SOT23	4	130	340		0.1
BAT17-04 (Dual)	3k*	SP000010283	SOT23	4	130	340		0.1
BAT17-04W (Dual)	3k*	SP000012242	SOT323	4	130	340		1
BAT17-05 (Dual)	3k*	SP000010285	SOT23	4	130	340		0.1
BAT17-05W (Dual)	3k*	SP000012243	SOT323	4	130	340		1
BAT17-06W (Dual)	3k*	SP000012244	SOT323	4	130	340		1
BAT17-07 (Dual)	3k*	SP000010289	SOT143	4	130	350		0.1
▼ BAT24-02LS	15k*	SP000304927	TSSLP-2-1	4	110	230		1
BAT60A	3k*	SP000010294	SOD323	10	3000	120		10
BAT60B	3k*	SP000010296	SOD323	10	3000	240		10
BAT68	3k*	SP000012514	SOT23	8	130	320		1
BAT68-04 (Dual)	3k*	SP000010320	SOT23	8	130	320		1
BAT68-04W (Dual)	3k*	SP000012246	SOT323	8	130	320		1
BAT68-06 (Dual)	3k*	SP000010322	SOT23	8	130	320		1
BAT68-06W (Dual)	3k*	SP000012245	SOT323	8	130	320		1
BAT68-07W (Dual)	3k*	SP000010324	SOT343	8	130	320		1

* Order unit

SMD = Surface Mounted Device

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_R V	I_F mA	V_F mV	at	I_F mA

RF Diodes

Schottky-Detector Diodes (8 mm Tape)

BAT62	3k*	SP000010300	SOT143	40	20	580	2
BAT62-02L	3k*	SP000016963	TSLP-2-1	40	20	580	2
▼ BAT62-02LS	15k*	SP000273996	TSSLP-2-1	40	20	580	2
BAT62-02W	3k*	SP000010301	SCD80	40	20	580	2
BAT62-03W	3k*	SP000010303	SOD323	40	20	580	2
BAT62-07L4 (Dual)	15k*	SP000013970	TSLP-4-4	40	20	580	2
BAT62-07L4 (Dual)	50k*	SP000077202	TSLP-4-4	40	20	580	2
BAT62-07W (Dual)	3k*	SP000010304	SOT -343	40	20	580	2
BAT62-09S (Dual)	3k*	SP000055207	SOT363	40	20	580	2
▼ BAT63-02V	3k*	SP000273992	SC79	3	100	190	1
BAT63-07W	3k*	SP000010306	SOT343	3	100	190	1

Schottky Diodes Arrays

BAT68-08S	3k*	SP000012460	SOT363	8	130	318	1
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Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)				
			$V_{R\text{ max}}$ V	$I_{F\text{ max}}$ mA	C_T pF	at	V_R V	r_F Ω	at

PIN Diodes (8 mm Tape)

BA592	3k*	SP000010141	SOD323	35	100	0.85	3	0.36	10
BA592	10k*	SP000010142	SOD323	35	100	0.85	3	0.36	10
BA595	3k*	SP000010146	SOD323	50	50	0.26	10	5.00	10
BA595	10k*	SP000010148	SOD323	50	50	0.26	10	5.00	10
BA885	3k*	SP000010151	SOT23	50	100	0.28	10	5.00	10
BA892	3k*	SP000010154	SCD80	35	100	0.85	3	0.36	10
BA892	8k*	SP000104705	SCD80	35	100	0.85	3	0.36	10
BA892	10k*	SP000010158	SCD80	35	100	0.85	3	0.36	10
BA892-02L	15k*	SP000013535	TSLP-2-1	35	100	0.92	1	0.36	10
BA892-02V	3k*	SP000013174	SC79	35	100	0.85	3	0.36	10
BA892-02V	8k*	SP000104706	SC79	35	100	0.85	3	0.36	10
BA892-02V	10k*	SP000013175	SC79	35	100	0.85	3	0.36	10
BA895	3k*	SP000012458	SCD80	50	50	0.23	10	4.50	10
BAR14-1 (Dual)	3k*	SP000010164	SOT23	100	140	0.25	50	7.00	10
BAR15-1 (Dual)	3k*	SP000010163	SOT23	100	140	0.25	50	7.00	10
BAR16-1 (Dual)	3k*	SP000010165	SOT23	100	140	0.25	50	7.00	10

* Order unit

SMD = Surface Mounted Device



Small Signal Discretes

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)					
			$V_{R\text{ max}}$	$I_{F\text{ max}}$	C_T	at	V_R	r_F	at	I_F
			V	mA	pF		V	Ω		mA

RF Diodes

PIN Diodes (8 mm Tape)

(cont'd)

BAR50-02L	15k*	SP000013603	TSLP-2-1	50	100	0.24	1	3.00	10
BAR50-02V	3k*	SP000012921	SC79	50	100	0.24	1	3.00	10
BAR61 (Triple)	3k*	SP000010169	SOT143	100	140	0.25	50	7.00	10
BAR63-02L	15k*	SP000013537	TSLP-2-1	50	100	0.21	5	1.00	10
BAR63-02L	50k*	SP000013538	TSLP-2-1	50	100	0.21	5	1.00	10
BAR63-02V	3k*	SP000010162	SC79	50	100	0.21	5	1.00	10
BAR63-02W	3k*	SP000010170	SCD80	50	100	0.21	5	1.00	10
BAR63-02W	8k*	SP000104697	SCD80	50	100	0.21	5	1.00	10
BAR63-02W	10k*	SP000010171	SCD80	50	100	0.21	5	1.00	10
BAR63-03W (Dual)	3k*	SP000010172	SOD323	50	100	0.21	5	1.00	10
BAR63-04 (Dual)	3k*	SP000012206	SOT23	50	100	0.21	5	1.00	10
BAR63-04W (Dual)	3k*	SP000010174	SOT323	50	100	0.21	5	1.00	10
BAR63-05 (Dual)	3k*	SP000012207	SOT23	50	100	0.21	5	1.00	10
BAR63-05 (Dual)	10k*	SP000012210	SOT23	50	100	0.21	5	1.00	10
BAR63-05W (Dual)	3k*	SP000010175	SOT323	50	100	0.21	5	1.00	10
BAR63-06 (Dual)	3k*	SP000012208	SOT23	50	100	0.21	5	1.10	10
BAR63-06W (Dual)	3k*	SP000010176	SOT323	50	100	0.21	5	1.00	10
BAR64-02LRH	15k*	SP000051041	TSLP-2-7	200	100	0.23	20	2.10	10
BAR64-02LRH	50k*	SP000083331	TSLP-2-7	200	100	0.23	20	2.10	10
BAR64-02V	3k*	SP000010361	SC79	200	100	0.23	20	2.10	10
BAR64-02V	8k*	SP000104696	SC79	200	100	0.23	20	2.10	10
BAR64-03W	3k*	SP000010179	SOD323	200	100	0.23	20	2.10	10
BAR64-04 (Dual)	3k*	SP000012211	SOT23	200	100	0.23	20	2.10	10
BAR64-04W (Dual)	3k*	SP000010180	SOT323	150	100	0.23	20	2.10	10
BAR64-05 (Dual)	3k*	SP000012212	SOT23	200	100	0.23	20	2.10	10
BAR64-05 (Dual)	10k*	SP000012214	SOT23	200	100	0.23	20	2.10	10
BAR64-05W (Dual)	3k*	SP000010181	SOT323	200	100	0.23	20	2.10	10
BAR64-05W (Dual)	10k*	SP000010183	SOT323	200	100	0.23	20	2.10	10
BAR64-06 (Dual)	3k*	SP000012213	SOT23	200	100	0.23	20	2.10	10
BAR64-06W (Dual)	3k*	SP000010182	SOT323	150	100	0.23	20	2.10	10
BAR64-07 (Dual)	3k*	SP000010184	SOT143	200	100	0.23	20	2.10	10
BAR65-02L	15k*	SP000013542	TSLP-2-1	30	100	0.60	1	0.56	10
BAR65-02V	3k*	SP000010359	SC79	30	100	0.60	1	0.56	10
BAR65-03W	3k*	SP000010186	SOD323	30	100	0.60	1	0.56	10
BAR67-02V	3k*	SP000010369	SC79	150	200	0.35	5	1.10	10
BAR88-02V	3k*	SP000013484	SC79	80	100	0.30	1	0.80	10
BAR88-02V	8k*	SP000104695	SC79	80	100	0.30	1	0.80	10
BAR88-02LRH	15k*	SP000051042	TSLP-2-7	80	100	0.30	1	0.80	10
BAR88-02LRH	50k*	SP000083408	TSLP-2-7	80	100	0.30	1	0.80	10
BAR88-07LRH (Dual)	15k*	SP000053489	TSLP-4-7	80	100	0.30	1	0.80	10
BAR88-098LRH (Dual)	15k*	SP000053490	TSLP-4-7	80	100	0.30	1	0.80	10

* Order unit

SMD = Surface Mounted Device

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)				
			$V_{R\text{ max}}$ V	$I_{F\text{ max}}$ mA	C_T pF	at	V_R V	r_F Ω	at

RF Diodes

PIN Diodes (8 mm Tape)

(cont'd)

BAR88-099LRH	15k*	SP000053491	TSLP-4-7	80	100	0.30	1	0.80	10
BAR89-02LRH	15k*	SP000051043	TSLP-2-7	80	100	0.25	1	0.80	10
BAR89-02LRH	50k*	SP000083407	TSLP-2-7	80	100	0.25	1	0.80	10
BAR90-02LRH	15k*	SP000051045	TSLP-2-7	80	100	0.25	1	0.80	10
BAR90-02LS	15k*	SP000200323	TSSLP-2-1	80	100	0.25	1	0.80	10
BAR90-07LRH (Dual)	15k*	SP000053483	TSLP-4-7	80	100	0.25	1	0.80	10
BAR90-098LRH (Dual)	15k*	SP000053484	TSLP-4-7	80	100	0.25	1	0.80	10
BAR90-099LRH	15k*	SP000053485	TSLP-4-7	80	100	0.25	1	0.80	10

HiRel PIN Diodes

▼ BXY44-T1 (ES)		SP000011438	T1	200	400	0.2	50	3.0	10
▼ BXY44-T1 (P)		SP000011437	T1	200	400	0.2	50	3.0	10

* Order unit

SMD = Surface Mounted Device

Small Signal Discretos

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_R V	I_F mA	C_T pF	at V	C_{T1}/C_{T2}

RF Diodes

Variable Capacitance Diodes (8 mm Tape)

BB439 matched	3k*	SP000010372	SOD323	30	20	26 ... 32	3	5 ... 6.5
BB535 matched	3k*	SP000010375	SOD323	30	20	17.5 ... 20	1	8.2 ... 9.8
BB535 unmatched	3k*	SP000010377	SOD323	30	20	17.5 ... 20	1	8.2 ... 9.8
BB545 matched	3k*	SP000010383	SOD323	30	20	18.5 ... 21.5	1	9 ... 11
BB555 matched	3k*	SP000010389	SCD80	30	20	17.5 ... 20	1	6.7
BB555 unmatched	3k*	SP000010390	SCD80	30	20	17.5 ... 20	1	6.7
▼ BB555 E7912	8k*	SP000104718	SCD80	30	20	17.5 ... 20	1	6.7
BB555-02V matched	3k*	SP000013176	SC79	30	20	17.5 ... 20	1	8.2 ... 9.8
BB555-02V unmatched	3k*	SP000013177	SC79	30	20	17.5 ... 20	1	8.2 ... 9.8
▼ BB555-02V E7912	8k*	SP000104717	SC79	30	20	17.5 ... 20	1	8.2 ... 9.8
BB565 matched	3k*	SP000010393	SCD80	30	20	18.5 ... 21.5	1	7.2
BB565 unmatched	3k*	SP000010392	SCD80	30	20	18.5 ... 21.5	1	7.2
BB565-02V matched	3k*	SP000013416	SC79	30	20	18.5 ... 21.5	1	9 ... 11
BB639 matched	3k*	SP000010401	SOD323	30	20	36 ... 42	1	13.5
BB639C matched	3k*	SP000010396	SOD323	30	20	36 ... 42	1	11.1
▼ BB639C unmatched	3k*	SP000010398	SOD323	30	20	36 ... 42	1	11.1
BB640 matched	3k*	SP000010406	SOD323	30	20	62 ... 76	1	19.5
BB644 matched	3k*	SP000010411	SOD323	30	20	39 ... 44.5	1	11.8
BB659 matched	3k*	SP000056645	SCD 80	30	20	36 ... 40	1	14.7
BB659 unmatched	3k*	SP000010414	SCD 80	30	20	36 ... 40	1	14.7
BB659C matched	3k*	SP000010417	SCD80	30	20	36 ... 42	1	11.1
▼ BB659C unmatched	3k*	SP000104720	SCD80	30	20	36 ... 42	1	11.1
BB659C-02V matched	3k*	SP000013179	SC79	30	20	36.5 ... 42	1	9.5 ... 11.1
BB659C-02V unmatched	3k*	SP000013180	SC79	30	20	36.5 ... 42	1	9.5 ... 11.1
▼ BB659C-02V E7912	8k*	SP000104719	SC79	30	20	36.5 ... 42	1	9.5 ... 11.1
BB664 matched	3k*	SP000010418	SCD80	30	20	39 ... 44.5	1	11.8
BB664-02V matched	3k*	SP000013418	SC79	30	20	39 ... 44.5	1	11.8
BB669 matched	3k*	SP000010419	SOD323	30	20	51 ... 61.5	1	15.5
BB689 matched	3k*	SP000010423	SCD80	30	20	51 ... 61.5	1	15.5
BB689 unmatched	3k*	SP000010422	SCD80	30	20	51 ... 61.5	1	15.5
▼ BB689 E7912	8k*	SP000104709	SCD80	30	20	51 ... 61.5	1	15.5
BB689-02V matched	3k*	SP000013414	SC79	30	20	51 ... 61.5	1	15.5
BB689-02V unmatched	3k*	SP000013415	SC79	30	20	51 ... 61.5	1	15.5
BB804SF1 (Dual)	3k*	SP000010425	SOT23	20	50	43.0 ... 44.5	2	1.70
BB804SF2 (Dual)	3k*	SP000010426	SOT23	20	50	44.0 ... 45.5	2	1.70
BB804SF3 (Dual)	3k*	SP000010427	SOT23	20	50	45.0 ... 46.5	2	1.70
BB814GR1 (Dual)	3k*	SP000010433	SOT23	20	50	43.0 ... 44.5	2	2.05 ... 2.25
BB814GR1 (Dual)	3k*	SP000095920	SOT23	20	50	43.0 ... 44.5	2	2.05 ... 2.25
BB814GR1 (Dual)	10k*	SP000051040	SOT23	20	50	43.0 ... 44.5	2	2.05 ... 2.25
BB814GR2 (Dual)	3k*	SP000010435	SOT23	20	50	45.0 ... 46.5	2	2.05 ... 2.25

* Order unit

SMD = Surface Mounted Device

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_R V	I_F mA	C_T pF	at	V_R V

RF Diodes

Variable Capacitance Diodes (8 mm Tape)
(cont'd)

BB831	3k*	SP000012250	SOD323	30	20	7.8 ... 9.8	1	8.60
BB833	3k*	SP000010437	SOD323	30	20	8.5 ... 10	1	12.40
BB833	10k*	SP000010438	SOD323	30	20	8.5 ... 10	1	12.40
BB837	3k*	SP000010441	SOD323	30	20	6.0 ... 7.2	1	12.20
BB844	3k*	SP000013388	SOT23	18	50	42.5 ... 45	2	3.2 ... 3.8
BB857 matched	3k*	SP000010443	SCD80	30	20	6.0 ... 7.2	1	12.00
▼ BB857 unmatched	3k*	SP000010444	SCD80	30	20	6.0 ... 7.2	1	12.00
BB914 (Dual)	3k*	SP000010445	SOT23	20	50	42.5 ... 45	2	2.28 ... 2.42

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_{RWM} V	I_{pp} A	C_T pF	at	V_R V

ESD and EMI Protection Devices and Filters

**Transient Voltage Suppression (TVS) Diodes and Hipac
RF Antenna Protection**

BAR66	3k*	SP000010187	SOT23	150	12	0.35	0
▼ ESD1P0RFS	3k*	SP000260032	SOT363	70	10	1	0
▼ ESD1P0RFW	3k*	SP000260031	SOT323	70	10	1	0
▼ ESD0P8RFL	15k*	SP000362197	TSLP-4-7	50	10	0.8	0

Automotive

▼ ESD24VS2B	3k*	SP000316672	SOT23	24	5	24	0
▼ ESD24VS2U	3k*	SP000316684	SOT23	24	5	48	0

General Purpose TVS

ESD5V0S1U-03W	3k*	SP000205608	SOD323	5	40	430	0
ESD5V0S2U-06	3k*	SP000205610	SOT23	5	40	430	0
▼ ESD5V0S4US	3k*	SP000260036	SOT363	5	10	70	0
ESD5V0S5US	3k*	SP000205611	SOT363	5	10	70	0

High Speed Data Interfaces

▼ ESD8V0L1B-02LRH	15k*	SP000235246	TSLP-2-7	-8 ... 14	2.5	8.5	0
▼ ESD8V0L1B-02LRH	50k*	SP000257037	TSLP-2-1	-8 ... 14	2.5	8.5	0
ESD8V0L2B-03L	15k*	SP000055122	TSLP-3-1	-8 ... 14	2.5	4	0
▼ ESD8V0R1B-02LRH	15k*	SP000368384	TSLP-2-7	-8 ... 14	1	4	0
▼ ESD8V0R1B-02LS	15k*	SP000368387	TSSLP-2-1	-8 ... 14	1	4	0

Wireline Telecommunication

▼ DSL70	3k*	SP000362209	SOT143	50	27	2.5	0
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* Order unit

SMD = Surface Mounted Device



Small Signal Discretes

Type	Ordering Code	Package	Characteristics		
			Passband MHz	Insertion Loss dB	Ripple dB

RF Diodes

ESD and EMI Protection Devices and Filters

Transient Voltage Suppression (TVS) Diodes and Hipac RF Filtering (Hipac)

▼ BGH92M	7.5k*	SP000067493	TSLP-7-4	824 – 915	2.2	0.2
▼ BGH82M	7.5k*	SP000065685	TSLP-7-4	1710 –1910	2.6	0.2

Type	Ordering Code	Package	Characteristics typ. Values		
			V_s V	Signal-to-noise dB(A)	<i>THD</i> at 104 dB SPL %

Silicone Microphone

▼ SMM310	4k*	SP000267598	HG-MMA-4-2	1.5 ... 3.3	59	0.1
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* Order unit

SMD = Surface Mounted Device

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)			
			V_R V	I_F mA	C_T pF	at	V_R V	C_{T1}/C_{T2}

RF Diodes

Varactor Diodes

BBY51	3k*	SP000010449	SOT23	7	20	4.5 ... 6.1	1	1.75
BBY51	10k*	SP000010451	SOT23	7	20	4.5 ... 6.1	1	1.75
BBY51-02L	15k*	SP000014590	TSLP-2-1	7	20	4.5 ... 6.1	1	1.75
BBY51-02W	3k*	SP000010452	SCD80	7	20	4.5 ... 6.1	1	1.75
BBY51-03W	3k*	SP000010453	SOD323	7	20	4.5 ... 6.1	1	1.75
BBY52-02L	15k*	SP000014591	TSLP-2-1	7	20	1.4 ... 2.2	1	1.60
BBY52-02W	3k*	SP000010454	SCD80	7	20	1.4 ... 2.2	1	1.60
BBY53	3k*	SP000010455	SOT23	6	20	4.8 ... 5.8	1	2.20
BBY53-02L	15k*	SP000014592	TSLP-2-1	6	20	4.8 ... 5.8	1	2.20
BBY53-02V	3k*	SP000010337	SC79	6	20	4.8 ... 5.8	1	2.20
BBY53-02W	3k*	SP000010459	SCD80	6	20	4.8 ... 5.8	1	2.20
BBY53-03W	3k*	SP000010461	SOD323	6	20	4.8 ... 5.8	1	2.20
BBY53-05W	3k*	SP000012248	SOT323	6	20	4.8 ... 5.8	1	2.20
BBY55-02V	3k*	SP000013069	SC79	16	20	14.0 ... 16	1	2.50
BBY55-02W	3k*	SP000012232	SCD80	16	20	14.0 ... 16	1	2.50
BBY55-03W	3k*	SP000012238	SOD323	16	20	14.0 ... 16	1	2.50
BBY56-02W	3k*	SP000012233	SCD80	10	20	59.0 ... 67	1	2.45
BBY56-02W	8k*	SP0000104694	SCD80	10	20	59.0 ... 67	1	2.45
BBY56-03W	3k*	SP000012239	SOD323	10	20	59.0 ... 67	1	2.45
BBY57-02V	3k*	SP000010317	SC79	10	20	16.5 ... 18.6	1	2.45
BBY57-02L	15k*	SP000013551	TSLP-2-1	10	20	16.5 ... 18.6	1	2.45
BBY57-02W	3k*	SP000012234	SCD80	10	20	16.5 ... 18.6	1	2.45
BBY57-02W	8k*	SP0000104693	SCD80	10	20	16.5 ... 18.6	1	2.45
BBY57-05W	3k*	SP000012457	SOT323	10	20	16.5 ... 18.6	1	2.45
BBY58-02L	15k*	SP000013552	TSLP-2-1	8	50	17.5 ... 19.3	1	3.00
BBY58-02V	3k*	SP000012231	SC79	10	20	17.5 ... 19.3	1	2.15
BBY58-02W	3k*	SP000012235	SCD80	10	20	17.5 ... 19.3	1	2.15
BBY58-02W	8k*	SP0000104692	SCD80	10	20	17.5 ... 19.3	1	2.15
BBY58-03W	3k*	SP000012240	SOD323	10	20	17.5 ... 19.3	1	2.15
BBY58-05W	3k*	SP000014603	SOT323	10	20	17.5 ... 19.3	1	2.15
BBY58-06W	3k*	SP000014605	SOT323	10	20	17.5 ... 19.3	1	2.15
BBY59-02V	3k*	SP000012825	SC79	15	50	26.6 ... 29.0	1	4.00
BBY61-02LS	15k*	SP0000200324	TSSLP-2-1	10	50	4.9	1	2.45
BBY65-02V	3k*	SP000013604	SC79	15	50	20.25	1	4.55
▼ BBY66-02V	3k*	SP000012826	SC79	12	50	66.0 ... 71.5	1	5.41
BBY66-05	3k*	SP000013483	SOT23	12	50	66.0 ... 71.5	1	5.41
BBY66-05W	3k*	SP000012827	SOT323	12	50	66.0 ... 71.5	1	5.41

* Order unit

SMD = Surface Mounted Device

Small Signal Discretes

Type	Ordering Code	Package	Maximum Ratings			Characteristics ($T_A = 25^\circ\text{C}$)						
			V_{DS}	I_D	P_{tot}	G_{ps}	F at	V_{DS}	I_D	f	g_{fs}	
			V	mA	mW	dB	dB	V	mA	MHz	mS	

RF Transistors

Single MOSFET Tetrodes (8 mm Tape)

BF998	3k*	SP000010978	SOT143	12	30	200	20	1.00	8	10	800	24
BF998R	3k*	SP000010979	SOT143R	12	30	200	20	1.00	8	10	800	24
BF1005	3k*	SP000010946	SOT143	8	25	200	18	1.40	5	10	800	24
BF1005S	3k*	SP000010949	SOT143	8	25	200	19	1.60	5	12	800	30
BF1005S	10k*	SP000010952	SOT143	8	25	200	19	1.60	5	12	800	30
BF1005SR	3k*	SP000010950	SOT143R	8	25	200	19	1.60	5	12	800	30
BF1009S	3k*	SP000010955	SOT143	12	25	200	22	1.40	9	12	800	30
BF1009SR	3k*	SP000010956	SOT143R	12	25	200	22	1.40	9	12	800	30
BF2030 E6814	3k*	SP000012219	SOT143	14	40	200	-	2.0	5	10	800	31
BF2030R E6814	3k*	SP000012220	SOT143R	14	40	200	-	2.0	5	10	800	31
BF2030W E6814	3k*	SP000012223	SOT343	14	40	200	-	2.0	5	10	800	31
BF2040 E6814	3k*	SP000012215	SOT143	8	20	200	21	1.7	5	15	800	45
BF2040R E6814	3k*	SP000012216	SOT143R	8	20	200	21	1.7	5	15	800	45
BF2040W E6814	3k*	SP000012226	SOT343	8	20	200	23	1.6	5	15	800	45
BF5030W	3k*	SP000101236	SOT343	8	25	200	24	1.3	3	10	800	41

Dual MOSFET Tetrodes (8 mm Tape)

BG3123	3k*	SP000014846	SOT363	8	25	160	24	1.30	5	10	800	25/30
BG3123R	3k*	SP000015126	SOT363	8	25	160	24	1.30	5	10	800	25/30
BG3130	3k*	SP000013182	SOT363	8	25	160	24	1.30	5	10	800	33/33
BG3130R	3k*	SP000014450	SOT363	8	25	160	24	1.30	5	10	800	33/33
BG3230	3k*	SP000013594	SOT363	8	25	160	24	1.30	5	10	800	33
▼ BG3430R	3k*	SP000240529	SOT363	8	25	200	25	1.30	5	14	800	33
▼ BG5120K	3k*	SP000292148	SOT363	8	20	200	24	1.20	5	10	800	33
BG5130R	3k*	SP000101237	SOT363	8	25	200	24	1.30	3	10	800	41

MOSFET Triodes (8 mm Tape)

BF999	3k*	SP000010985	SOT23	20	30	200	25	1.00	10	10	200	16
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* Order unit

SMD = Surface Mounted Device

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_{CEO} V	I_C mA	f_T GHz	G dB	at f MHz

RF Transistors

NPN Broadband Transistors (8 mm Tape)

BF517	3k*	SP000010958	SOT23	15	25	2.0	–	–
BF770A	3k*	SP000010965	SOT23	12	50	5.5	13.5	800
BF771	3k*	SP000010967	SOT23	12	80	7.0	13.5	800
BF775	3k*	SP000010972	SOT23	12	30	4.5	–	–
BF799	3k*	SP000010973	SOT23	20	35	1.1	–	–
BF799W	3k*	SP000010975	SOT323	20	35	1.1	–	–
BFP181	3k*	SP000011013	SOT143	12	20	8.0	20	900
BFP182	3k*	SP000011015	SOT143	12	35	8.0	21.5	900
BFP182R	3k*	SP000011016	SOT143R	12	35	8.0	21.5	900
BFP182W	3k*	SP000011017	SOT343	12	35	8.0	21.5	900
BFP183	3k*	SP000011018	SOT143	12	65	8.0	20	900
BFP183W	3k*	SP000011023	SOT343	12	65	8.0	20	900
BFP193	3k*	SP000011024	SOT143	12	80	8.0	15	800
BFP193W	3k*	SP000011026	SOT343	12	80	8.0	20	800
BFP196	3k*	SP000011027	SOT143	12	100	7.2	16	900
BFP196R	3k*	SP000011028	SOT143R	12	100	7.2	16	900
BFP196W	3k*	SP000011030	SOT343	12	100	7.2	16	900
BFR35AP	3k*	SP000011060	SOT23	12	30	4.9	14	800
BFR92P	3k*	SP000011062	SOT23	15	30	5.0	15	900
BFR92W	3k*	SP000011065	SOT323	15	30	5.0	15.5	900
BFR93A	3k*	SP000011066	SOT23	12	50	6.0	13.5	900
BFR93AW	3k*	SP000011071	SOT323	12	50	6.0	15	900
BFR106	3k*	SP000011044	SOT23	15	100	4.9	17.8	500
BFR181	3k*	SP000011047	SOT23	12	20	8.0	18	900
BFR181 E6780	3k*	SP000011049	SOT23	12	20	8.0	18	900
BFR181W	3k*	SP000011050	SOT323	12	20	8.0	18	900
BFR182	3k*	SP000011051	SOT23	12	35	8.0	18	900
BFR182W	3k*	SP000011053	SOT323	12	35	8.0	18	900
BFR183	3k*	SP000011054	SOT23	12	65	8.0	18.5	900
BFR183W	3k*	SP000011055	SOT323	12	65	8.0	18.5	900
BFR193	3k*	SP000011056	SOT23	12	80	8.0	15.8	800
BFR193F	3k*	SP000012976	TSFP-3	12	150	8.0	19.0	900
BFR193L3	3k*	SP000013557	TSLP-3-1	12	150	8.0	19.0	900
BFR193W	3k*	SP000011057	SOT323	12	80	8.0	15.8	800
BFR340F	15k*	SP000012978	TSFP-3	6.0	10	14.0	16.0	1800
BFR340L3	15k*	SP000013558	TSLP-3-1	6.0	10	14.0	17	1800
BFR360F	15k*	SP000012979	TSFP-3	6.0	35	14.0	15.5	1800
BFR360L3	15k*	SP000013560	TSLP-3-1	6.0	35	14.0	16.5	1800
BFR380F	15k*	SP000012981	TSFP-3	6.0	80	14.0	13.5	1800
BFR380L3	15k*	SP000013562	TSLP-3-1	6.0	80	14.0	13.5	1800
BFP460	3k*	SP000015119	SOT343	4.5	50	22.0	17.5	1800
BFR460L3	15k*	SP000014238	TSLP-3-1	4.5	50	22.0	17.5	1800
BFR949L3	15k*	SP000013563	TSLP-3-1	10	35	9.0	21.5	900
BFS17P	3k*	SP000011073	SOT23	15	25	2.5	10	800
BFS17P	10k*	SP000011079	SOT23	15	25	2.5	10	800
BFS17W	3k*	SP000011082	SOT323	15	25	2.5	11	800

* Order unit

SMD = Surface Mounted Device



Small Signal Discretes

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_{CEO} V	I_{C} mA	f_{T} GHz	G dB	at f MHz

RF Transistors

NPN Broadband Transistors (12 mm Tape)

BFG19S	1k*	SP000010992	SOT223	15	100	5.3	13	900
BFG135A	1k*	SP000010991	SOT223	15	150	5.9	15	900
BFG193	4k*	SP000010994	SOT223	12	80	8.0	15.5	900
BFG196	1k*	SP000010995	SOT223	12	100	7.2	14	900
BFG235	1k*	SP000010996	SOT223	12	300	6.0	–	–
BFQ19S	1k*	SP000011042	SOT89	15	75	5.1	11.8	800

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			I_{D} mA	P_{tot} mW	NF dB	G dB	at f MHz

HiRel K-Band GaAs Super Low Noise HEMT

▼ CFY67-08 (ES)	SP000011452	Micro-X	420	900	<3.6	<7.8	1200
▼ CFY67-08 (P)	SP000011453	Micro-X	420	900	<3.6	<7.8	1200
▼ CFX27-00 (ES)	SP000012381	MWP-25	420	3380	0	18.5	2300
▼ CFX32-00 (P)	SP000272069	MWP-25	1400	6750	0	12	2300

Monolithic ICs

MMICs Low Noise Amplifiers

BGA428	3k*	SP000012971	SOT363	12	50	1.4	20	1800
BGA615L7	7.5k*	SP000016766	TSLP-7-1	10	36	0.9	18	1500
▼ BGA622 E6820	3k*	SP000202585	SOT343	10	35	1.1	13.3	2140
BGA622L7	7.5k*	SP000017535	TSLP-7-1	10	35	1.0	17.5	1575
▼ BGA734L16	7.5k*	SP000293791	TSLP-16-1	3.5	–	1.2	15	1900

MMICs Broadband Amplifiers

BGA416	3k*	SP000013607	SOT143	20	–	1.3	23	900
BGA420	3k*	SP000011089	SOT143	15	90	2.2	13	1800
BGA427	3k*	SP000011091	SOT343	25	150	2.2	18.5	1800
BGA612	3k*	SP000013391	SOT343	80	225	2.35	16	2000
BGA614	3k*	SP000013392	SOT343	80	240	2.3	17	2000
BGA616	3k*	SP000013393	SOT343	80	360	2.9	17.5	2000

* Order unit

SMD = Surface Mounted Device

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_{CEO} V	I_{C} mA	f_{T} GHz	G_{ms} dB	at f MHz

RF Transistors

SIEGET™-25 Bipolar NPN Transistors

BFP405	3k*	SP000011032	SOT343	4.5	12	25	22	1800
BFP405	10k*	SP000011033	SOT343	4.5	12	25	22	1800
BFP405F	15k*	SP000012985	TSFP-4	4.5	12	25	22	1800
BFP420	3k*	SP000011035	SOT343	4.5	35	25	22	1800
BFP420	10k*	SP000011036	SOT343	4.5	35	25	22	1800
BFP420F	15k*	SP000012986	TSFP-4	4.5	35	25	22	1800
BFP450	3k*	SP000011039	SOT343	4.5	100	24	14	1800

SIEGET™-45 Bipolar NPN Transistors

BFP520	3k*	SP000012229	SOT343	2.5	40	45	23	1800
BFP520F	15k*	SP000012987	TSFP-4	2.5	40	45	23	1800
BFP540	3k*	SP000012602	SOT343	4.5	80	29	21	1800
BFP540ESD	3k*	SP0000105377	SOT343	4.5	80	30	21.5	1800
BFP540F	15k*	SP000012988	TSFP-4	4.5	80	29	21	1800
▼ BFP540FESD	3k*	SP0000296093	TSFP-4	4.5	80	30	20	1800

Silicon Germanium NPN Transistors

BFP620 E7764	3k*	SP000012604	SOT343	2.3	80	65	21.5	1800
BFP620F E7764	15k*	SP000012989	TSFP-4	2.3	80	65	21.5	1800
BFP640	3k*	SP000012991	SOT343	4.0	50	40	24	1800
BFP640F	3k*	SP000015118	TSFP-4	4.0	50	40	24	1800
BFP650	3k*	SP000013932	SOT343	4.0	150	36	21.5	1800
▼ BFP650F	3k*	SP0000368489	TSFP-4	4.0	150	42	21.5	1800
BFP740	3k*	SP000016424	SOT343	4.0	160	42	27.5	1800
BFP740F	3k*	SP000055205	TSFP-4	4.0	160	42	27.5	1800
▼ BFR705L3RH	15k*	SP0000252590	TSLP-3-9	4.0	10	39	25	1800
▼ BFR740L3RH	15k*	SP0000252393	TSLP-3-9	4.0	30	42	15	1800
▼ BFR750L3RH	15k*	SP0000252588	TSLP-3-9	4.0	90	37	21	1800

RF-Dual Transistor Arrays

BFS17S	3k*	SP000011081	SOT363	15	25	2.5	11	800
BFS481	3k*	SP000011084	SOT363	12	20	8	19	900
BFS483	3k*	SP000011086	SOT363	12	65	8	19	900

HiRel NPN Bipolar Transistors

▼ BFY183 (ES)		SP000011422	Micro-X	12	65	8	14	2000
▼ BFY450 (H)		SP000011429	Micro-X	4.5	100	22	16	1800
▼ BFY640 (ES)		SP0000249361	Micro-X	4	50	40	24	6000
▼ BFY640 (P)		SP0000249360	Micro-X	4	50	40	24	6000

* Order unit

SMD = Surface Mounted Device

Sensors

Pressure Sensors	149
Temperature Sensors	149
Magnetic Sensors	150
Wireless Control	151

Type	Ordering Code	Package	Data			
			Pressure Range	P_{max}	V_s	Operating Temperature Range
			kPa	kPa	V	°C

Pressure Sensors

Absolute Barometric Pressure Sensor ICs (BAP)

KP123	SP000299134	PG-DSOF-8-12	40 ... 115	600	0.2 ... 4.7	-40 ... +125
KP124	SP000239581	PG-DSOF-8-12	40 ... 115	600	0.2 ... 4.7	-40 ... +125
KP125	SP000271097	PG-DSOF-8-12	40 ... 115	600	0.5 ... 4.5	-40 ... +125
KP126	SP000239578	PG-DSOF-8-12	40 ... 115	600	0.5 ... 4.5	-40 ... +125
▼ KP126N6165	SP000264887	PG-DSOF-8-12	60 ... 165	600	0.2 ... 4.8	-40 ... +125

Type	Ordering Code	Package	Data			
			Pressure Range	$P_{accuracy}$	Acceleration Range	Operating Temperature Range
			kPa	kPa	g	°C

System-in-a-Package Tire Pressure Sensor (TMPS)

▼ SP300 V4.0-E106-0	SP000208318	PG-DSOP-14-6	100 ... 450	7.0	-12 ... -115	-40 ... +125
▼ SP300 V4.0-E116-0	SP000208320	PG-DSOP-14-6	100 ... 900	14.0	-12 ... -115	-40 ... +125

Type	Ordering Code	Package	Data				
			Basic Resistance $T_A = 25^\circ\text{C}$ $I_N = 1\text{ mA}$	I_{max} (25°C)	(Thermal time constant 0 – 63 %)		Operating Temperature Range
					in still air	in still oil	
					Ω	mA	

Silicon Temperature Sensors

KT130	SP000013615	SOT23	2000 ±60	5	7	1	-50 ... +150
KTY13-6	SP000013613	SOT23	2000 ±20	5	7	1	-50 ... +150

SMD = Surface Mounted Device

Sensors

Type	Ordering Code	Package	Description
Magnetic Sensors			
TLE4905L	SP000016544	PG-SSO-3-2	Unipolar Hall IC switch, AMMO-pack
TLE4905L E6433	SP000016545	PG-SSO-3-2	Unipolar Hall IC switch, tape & reel
TLE4935G	SP000011877	SOT89	Bipolar Hall IC latch, tape & reel
TLE4935L	SP000016376	PG-SSO-3-2	Bipolar Hall IC latch, AMMO-pack
TLE4945L	SP000016546	PG-SSO-3-2	Bipolar Hall IC switch, AMMO-pack
TLE4945-2L	SP000013154	PG-SSO-3-2	
TLE4945-2G	SP000011879	SOT89	Bipolar Hall IC switch, tape & reel
TLE4906H	SP000012950	SC59	High precision unipolar Hall IC switch, tape & reel
TLE4906L	SP000012949	PG-SSO-3-2	High precision unipolar Hall IC switch, AMMO-pack
TLE4966H	SP000014532	TSOP6-1	High precision bipolar double Hall IC switch, tape & reel
TLE4966L	SP000014135	PG-SSO-4-1	High precision bipolar double Hall IC switch, AMMO-pack
TLE4946H	SP000014640	SC59	High precision bipolar Hall IC latch, tape & reel
TLE4946-1L	SP000015003	PG-SSO-3-2	High precision bipolar Hall IC latch, AMMO-pack
TLE4976L	SP000012951	PG-SSO-3-2	High precision unipolar Hall IC switch with 2-wire interface, AMMO-pack
TLE4976-1H	SP000014722	SC59	High precision unipolar Hall IC switch with 2-wire interface, tape & reel
TLE4990	SP000012542	PG-SSO-4-1	Preprogrammable linear output Hall effect IC, AMMO-pack
TLE4990 E6782	SP000014373	PG-SSO-4-1	
▼ TLE4997	SP000235288	PG-SSO-3-10	High precision programmable linear output Hall effect IC, AMMO-pack
TLE4921-5U	SP000013593	P-SSO-4-1	Dynamic differential Hall effect sensor IC, AMMO-pack
TLE4923	SP000011875	P-SSO-3-6	
TLE4913	SP000013490	SC59	Low power Hall IC switch for battery powered applications, tape & reel
TLE4917	SP000013477	TSOP6-1	
TLE4941	SP000015115	PG-SSO-2-1	Differential two- wire Hall effect sensor IC for wheel speed applications, standard current interface, AMMO-pack
TLE4941C	SP000015116	PG-SSO-2-2	Differential two- wire Hall effect sensor IC for wheel speed applications, standard current interface, with 1.8 nF overmolded capacitor, AMMO-pack
TLE4941-1	SP000014942	PG-SSO-2-1	Differential two- wire Hall effect sensor IC for wheel speed applications, PWM current interface, AMMO-pack
TLE4941-1C	SP000014553	PG-SSO-2-2	Differential two- wire Hall effect sensor IC for wheel speed applications, PWM current interface, with 1.8 nF overmolded capacitor, AMMO-pack
TLE4942-1	SP000015067	PG-SSO-2-1	Differential two- wire Hall effect sensor IC for wheel speed applications with direction detection, AMMO-pack
TLE4942-1C	SP000014552	PG-SSO-2-2	Differential two- wire Hall effect sensor IC for wheel speed applications with direction detection, with 1.8 nF overmolded capacitor, AMMO-pack
▼ TLE4953	SP000278512	PG-SSO-2-1	Hall effect based transmission speed sensor IC with direction detection and vibration suppression, two wire PWM current interface, AMMO-pack
TLE4953 C	SP000015141	P-SSO-2-2	Hall effect based transmission speed sensor IC with direction detection and vibration suppression, two wire PWM current interface, with 1.8 nF overmolded capacitor, AMMO-pack
TLE4925	SP000013753	PG-SSO-3-6	Differential three-wire Hall effect sensor IC for crankshaft applications, open drain output, AMMO-pack
TLE4925C	SP000014169	PG-SSO-3-9	Differential three-wire Hall effect sensor IC for crankshaft applications, open drain output, with two 2.47 nF overmolded capacitor, AMMO-pack
TLE4925C-HT E6747	SP000269342	PG-SSO-3-9	Differential three-wire Hall effect sensor IC for crankshaft applications, open drain output, with two overmolded capacitors (4.7 nF and 47 nF), AMMO-pack
▼ TLE5011	SP000393517	PG-DSO-8-16	iGMR based angle sensor, tape & reel

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Wireless Control			
Receiver			
TDA5200	SP000016381	PG-TSSOP-28-1	ASK receiver, 433/868 MHz, tape & reel
TDA5201	SP000012902	PG-TSSOP-28-1	ASK receiver, 315/345 MHz, tape & reel
TDA5210	SP000016384	PG-TSSOP-28-1	ASK/FSK receiver, 433/868 MHz, tape & reel
TDA5211	SP000016390	PG-TSSOP-28-1	ASK/FSK receiver, 315 MHz, tape & reel
TDA5212	SP000013430	P-TSSOP-28-1	ASK/FSK receiver, 915 MHz, tape & reel
TDA5220	SP000014342	PG-TSSOP-28-1	ASK/FSK receiver, 433/868 MHz, tape & reel
TDA5221	SP000014343	PG-TSSOP-28-1	ASK/FSK receiver, 300/340 MHz, tape & reel
TDA5230	SP000076520	PG-TSSOP-28-1	ASK/FSK autonomous receiver, 433/868 MHz, image-reject receiver with digital baseband processing, tape & reel
▼ TDA5231	SP000202847	PG-TSSOP-28-1	ASK/FSK autonomous receiver, 302/320 MHz, image-reject receiver with digital baseband processing, tape & reel
▼ TDA7200	SP000296473	PG-TSSOP-28-1	ASK/FSK superheterodyne receiver (SHR), 400 MHz to 440 MHz, tape & reel

Transmitter

▼ TDA5102	SP000013431	P-TSSOP-16-1	ASK/FSK transmitter, 915 MHz, 2-dBm - 5 dBm output power tape & reel
TDA5102	SP000013432	PG-TSSOP-16-1	ASK/FSK transmitter, 915 MHz, 2-dBm - 5 dBm output power tape & reel
▼ TDA7100	SP000296466	PG-TSSOP-10-1	ASK/FSK transmitter, 434 MHz, -20°C to 70°C operating temperature, 5 dBm output power, tape & reel
TDK5100	SP000014557	PG-TSSOP-16-1	ASK/FSK transmitter, 433/868 MHz, -40°C to 125°C operating temperature, tape & reel
TDK5100 F	SP000014745	PG-TSSOP-10-1	ASK/FSK transmitter, 434 MHz, -40°C to 125°C operating temperature, tape & reel
TDK5101	SP000014559	P-TSSOP-16-1	ASK/FSK transmitter, 315 MHz, -40°C to 125°C operating temperature, tape & reel
TDK5101F	SP000014744	PG-TSSOP-10-1	ASK/FSK transmitter, 433 MHz, -40°C to 125°C operating temperature, 10-dBm output power, tape & reel
TDK5110	SP000013532	P-TSSOP-16-1	ASK/FSK transmitter, 433 MHz, -40°C to 125°C operating temperature, 10-dBm output power, tape & reel
TDK5110 F	SP000056180	PG-TSSOP-10-1	ASK/FSK transmitter, 433 MHz, -40°C to 125°C operating temperature, 10-dBm output power, tape & reel
TDK5111	SP000014017	P-TSSOP-16-1	ASK/FSK transmitter, 315 MHz, -40°C to 125°C operating temperature, 10-dBm output power, tape & reel
TDK5111F	SP000056181	PG-TSSOP-10-1	ASK/FSK transmitter, 315 MHz, -40°C to 125°C operating temperature, 10-dBm output power, tape & reel
TDK5116F	SP000056182	PG-TSSOP-10-1	ASK/FSK transmitter, 868 MHz, -40°C to 125°C operating temperature, 10-dBm output power, tape & reel

Transmitter + μ C

▼ PMA7110	on request	PG-TSSOP-38-1	8-bit MCU with embedded single channel multiband transmitter, ASK/PSK, 315/494/868/915 MHz, -40°C to 85°C operating temperature, tape & reel
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Transceiver

TDA5250	SP000012956	PG-TSSOP-38-1	ASK/FSK transceiver, wireless node sensor, 868 MHz, tape & reel
TDA5251	SP000014554	P-TSSOP-38-1	ASK/FSK transceiver, 315 MHz, tape & reel
TDA5252	SP000057332	P-TSSOP-38-1	ASK/FSK transceiver, 915 MHz, tape & reel
TDA5255	SP000014555	PG-TSSOP-38-1	ASK/FSK transceiver, 434 MHz, tape & reel

SMD = Surface Mounted Device

Chip Card + Security ICs

Smart Card Controller	155
Smart Card Memories	159
Contactless Products	160

Type	Ordering Code	Package	Description
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Trusted Computing

◆ SLB 9635 TT1.2	SP000107000	PG-TSSOP-28	Trusted Platform Module (TPM1.2)
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Smart Card Controller

Low End MobCom Controller (ROM-based)

◆ SLE 50C363PE-C	SP000104935	wafer	Enhanced high performance controller with 36-Kbyte EEPROM, 96-Kbyte ROM, 4352-byte RAM
◆ SLE 50C363PE-MFC5.6	SP000104937	S-MFC5.6-6	
◆ SLE 50C363PE-MFC5.8	SP000104938	S-MFC5.8-8-1	
◆ SLE 50C683PE-C	SP000104939	wafer	Enhanced high performance controller with 68-Kbyte EEPROM, 136-Kbyte ROM, 4352-byte RAM
◆ SLE 50C683PE-MFC5.6	SP000104941	S-MFC5.6-6	
◆ SLE 50C683PE-MFC5.8	SP000104942	S-MFC5.8-8-1	
◆◆ SLE 50C1120PE-C	SP000247169	wafer	Enhanced high performance controller with 112-Kbyte EEPROM, 136-Kbyte ROM, 4352-byte RAM
◆◆ SLE 50C1120PE-MFC5.6	SP000247167	S-MFC5.6-6	
◆◆ SLE 50C1120PE-MFC5.8	SP000247166	S-MFC5.8-8-1	
◆◆ SLE 50C1320PE-C	SP000247168	wafer	Enhanced high performance controller with 132-Kbyte EEPROM, 136-Kbyte ROM, 4352-byte RAM
◆◆ SLE 50C1320PE-MFC5.6	SP000247171	S-MFC5.6-6	
◆◆ SLE 50C1320PE-MFC5.8	SP000247172	S-MFC5.8-8-1	

Low End MobCom Controller (ROM-less)

◆◆ SLE 50CF680PE-C	SP000105569	wafer	Enhanced high performance controller with 68-Kbyte flexible EEPROM, 4352-byte RAM
◆◆ SLE 50CF680PE-MFC5.6	SP000105599	S-MFC5.6-6	
◆◆ SLE 50CF680PE-MFC5.8	SP000105600	S-MFC5.8-8-1	
◆◆ SLE 50CF1000PE-C	SP000105603	wafer	Enhanced high performance controller with 100-Kbyte flexible EEPROM, 4352-byte RAM
◆◆ SLE 50CF1000PE-MFC5.6	SP000105601	S-MFC5.6-6	
◆◆ SLE 50CF1000PE-MFC5.8	SP000105602	S-MFC5.8-8-1	
◆◆ SLE 50CF1320PE-C	SP000105607	wafer	Enhanced high performance controller with 132-Kbyte flexible EEPROM, 4352-byte RAM
◆◆ SLE 50CF1320PE-MFC5.6	SP000105605	S-MFC5.6-6	
◆◆ SLE 50CF1320PE-MFC5.8	SP000105606	S-MFC5.8-8-1	

Enhanced High Performance Controller

◆ SLE 66C24PE-C	SP000060110	wafer	Enhanced high performance controller with 2-Kbyte EEPROM, 68-Kbyte ROM, 2304-byte RAM
◆ SLE 66C24PE-M5.1	SP000060111	T-M5.1-8-1	
◆ SLE 66C24PE-MFC5.6	SP000060112	S-MFC5.6-6	
◆ SLE 66C24PE-MFC5.8	SP000060113	S-MFC5.8-8-1	Enhanced high performance controller with 4-Kbyte EEPROM, 68-Kbyte ROM, 2304-byte RAM
◆ SLE 66C44PE-C	SP000060151	wafer	
◆ SLE 66C44PE-M5.1	SP000060152	T-M5.1-8-1	
◆ SLE 66C44PE-MFC5.6	SP000060153	S-MFC5.6-6	Enhanced high performance controller with 8-Kbyte EEPROM, 96-Kbyte ROM, 4352 + 700-byte Crypto RAM, 1100-bit advanced crypto engine, certified RSA 2048-bit library available
◆ SLE 66C44PE-MFC5.8	SP000060154	S-MFC5.8-8-1	
◆ SLE 66CX80PE-C	SP000060202	wafer	
◆◆ SLE 66CX80PE-DSO8	SP000235312	PG-DSO-8-1	Enhanced high performance controller with 8-Kbyte EEPROM, 68-Kbyte ROM, 2304-byte RAM
◆ SLE 66CX80PE-M5.1	SP000060203	T-M5.1-8-1	
◆ SLE 66CX80PE-MFC5.6	SP000060204	S-MFC5.6-6	
◆ SLE 66CX80PE-MFC5.8	SP000060205	S-MFC5.8-8-1	Enhanced high performance controller with 8-Kbyte EEPROM, 68-Kbyte ROM, 2304-byte RAM
◆ SLE 66C84PE-C	SP000060173	wafer	
◆ SLE 66C84PE-M5.1	SP000060174	T-M5.1-8-1	
◆ SLE 66C84PE-MFC5.6	SP000060175	S-MFC5.6-6	
◆ SLE 66C84PE-MFC5.8	SP000060176	S-MFC5.8-8-1	

SMD = Surface Mounted Device

Chip Card + Security ICs

Type	Ordering Code	Package	Description
Smart Card Controllers			
Enhanced High Performance Controller			
(cont'd)			
◆ SLE 66C161PE-C	SP000067539	wafer	Enhanced high performance controller with 16-Kbyte EEPROM, 48-Kbyte ROM, 2304-byte RAM
◆ SLE 66C161PE-M5.1	SP000067515	T-M5.1-8-1	
◆▼ SLE 66C161PE-MFC1.6	SP000296601	S-MFC1.6-6	
◆ SLE 66C161PE-MFC5.6	SP000067537	S-MFC5.6-6	
◆ SLE 66C161PE-MFC5.8	SP000060085	S-MFC5.8-8-1	
◆ SLE 66CX162PE-C	SP000060182	wafer	Enhanced high performance controller with 16-Kbyte EEPROM, 96-Kbyte ROM, 4352 + 700-byte Crypto RAM, 1100-bit advanced crypto engine, certified RSA 2048-bit library available
◆ SLE 66CX162PE-M5.1	SP000060183	T-M5.1-8-1	
◆ SLE 66CX162PE-MFC5.6	SP000060184	S-MFC5.6-6	
◆ SLE 66CX162PE-MFC5.8	SP000060185	S-MFC5.8-8-1	
◆ SLE 66C166PE-C	SP000269795	wafer	Enhanced high performance controller with 16-Kbyte EEPROM, 96-Kbyte ROM, 4352-byte RAM
◆ SLE 66C166PE-M5.1	SP000269797	T-M5.1-8-1	
◆ SLE 66C166PE-MFC5.6	SP000269799	S-MFC5.6-6	
◆ SLE 66C166PE-MFC5.8	SP000269801	S-MFC5.8-8-1	
◆ SLE 66C168PE-C	SP000269803	wafer	Enhanced high performance controller with 16-Kbyte EEPROM, 68-Kbyte ROM, 2304-byte RAM
◆▼ SLE 66C168PE-DSO8	SP000235308	PG-DSO-8-1	
◆ SLE 66C168PE-M5.1	SP000269806	T-M5.1-8-1	
◆ SLE 66C168PE-MFC5.6	SP000269809	S-MFC5.6-6	
◆ SLE 66C168PE-MFC5.8	SP000269812	S-MFC5.8-8-1	
◆ SLE 66C324PE-C	SP000060144	wafer	Enhanced high performance controller with 32-Kbyte EEPROM, 136-Kbyte ROM, 4352-byte RAM
◆ SLE 66C324PE-M5.1	SP000009889	T-M5.1-8-1	
◆ SLE 66C324PE-MFC5.6	SP000067540	S-MFC5.6-6	
◆ SLE 66C324PE-MFC5.8	SP000067545	S-MFC5.8-8-1	
◆▼ SLE 66C327PE-C	SP000204422	wafer	Enhanced high performance controller with 32-Kbyte EEPROM, 136-Kbyte ROM, 4352-byte RAM, operating voltage 2.7 V to 5.5 V
◆▼ SLE 66C327PE-DSO8	SP000235310	PG-DSO-8-1	
◆▼ SLE 66C327PE-M5.1	SP000204423	T-M5.1-8-1	
◆▼ SLE 66C327PE-MFC5.6	SP000204424	S-MFC5.6-6	
◆▼ SLE 66C327PE-MFC5.8	SP000204425	S-MFC5.8-8-1	
◆ SLE 66C360PE-C	SP000060146	wafer	Enhanced high performance controller with 36-Kbyte EEPROM, 196-Kbyte ROM, 4352-byte RAM
◆ SLE 66C360PE-M5.1	SP000067575	T-M5.1-8-1	
◆▼ SLE 66C360PE-MFC5.8	SP000269836	S-MFC5.8-8-1	
◆ SLE 66CX360PE-C	SP000060189	wafer	Enhanced high performance controller with 36-Kbyte EEPROM, 196-Kbyte ROM, 6400 + 700-byte Crypto RAM, 1100-bit advanced crypto engine, certified RSA 2048-bit library available
◆▼ SLE 66CX360PE-DSO8	SP000275212	PG-DSO-8-1	
◆ SLE 66CX360PE-M5.1	SP000215320	T-M5.1-8-1	
◆ SLE 66CX360PE-MFC5.6	SP000060191	S-MFC5.6-6	
◆ SLE 66CX360PE-MFC5.8	SP000060192	S-MFC5.8-8-1	
◆ SLE 66C367PE-C	SP000204418	wafer	Enhanced high performance controller with 36-Kbyte EEPROM, 196-Kbyte ROM, 4352-byte RAM, operating voltage 2.7 V to 5.5 V
◆▼ SLE 66C367PE-DSO8	SP000235309	PG-DSO-8-1	
◆ SLE 66C367PE-M5.1	SP000204419	T-M5.1-8-1	
◆ SLE 66C367PE-MFC5.6	SP000204420	S-MFC5.6-6	
◆ SLE 66C367PE-MFC5.8	SP000204421	S-MFC5.8-8-1	
◆▼ SLE 66CX480PE-C	SP000231796	wafer	Enhanced high performance controller with 48-Kbyte EEPROM, 244-Kbyte ROM, 6400 + 700-byte Crypto RAM, 1100-bit advanced crypto engine, certified RSA 2048-bit library available
◆▼ SLE 66CX480PE-DSO8	SP000235314	PG-DSO-8-1	
◆▼ SLE 66CX480PE-M5.1	SP000231797	T-M5.1-8-1	
◆▼ SLE 66CX480PE-MFC5.6	SP000231798	S-MFC5.6-6	
◆▼ SLE 66CX480PE-MFC5.8	SP000231799	S-MFC5.8-8-1	

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Smart Card Controllers			
Enhanced High Performance Controller			
(cont'd)			
◆▼ SLE 66CX482PE-C	SP000231800	wafer	Enhanced high performance controller with 48-Kbyte EEPROM, 196-Kbyte ROM, 6400 + 700-byte Crypto RAM, 1100-bit advanced crypto engine, certified RSA 2048-bit library available
◆▼ SLE 66CX482PE-DSO8	SP000235315	PG-DSO-8-1	
◆▼ SLE 66CX482PE-M5.1	SP000231801	T-M5.1-8-1	
◆▼ SLE 66CX482PE-MFC5.6	SP000231802	S-MFC5.6-6	
◆▼ SLE 66CX482PE-MFC5.8	SP000231803	S-MFC5.8-8-1	Enhanced high performance controller with 68-Kbyte EEPROM, 244-Kbyte ROM, 6400-byte RAM
◆ SLE 66C680PE-M	SP000060159	wafer	
◆ SLE 66C680PE-M5.1	SP000060160	T-M5.1-8-1	Enhanced high performance controller with 68-Kbyte EEPROM, 244-Kbyte ROM, 6400 + 700-byte Crypto RAM, 1100-bit advanced crypto engine, certified RSA 2048-bit library available
◆ SLE 66C680PE-C	SP000067526	wafer	
◆ SLE 66C680PE-M5.1	SP000216967	T-M5.1-8-1	
◆ SLE 66C680PE-MFC5.6	SP000060200	S-MFC5.6-6	
◆ SLE 66C680PE-MFC5.8	SP000060201	S-MFC5.8-8-1	Enhanced high performance controller with 68-Kbyte EEPROM, 196-Kbyte ROM, 4352-byte RAM
◆ SLE 66C682PE-C	SP000060165	wafer	
◆ SLE 66C682PE-M5.1	SP000060166	T-M5.1-8-1	
◆ SLE 66C682PE-MFC5.6	SP000060167	S-MFC5.6-6	
◆ SLE 66C682PE-MFC5.8	SP000060168	S-MFC5.8-8-1	

SMD = Surface Mounted Device

Chip Card + Security ICs

Type	Ordering Code	Package	Description
Smart Card Controllers			
High End Security Controller			
◆ SLE 88C920P-C	SP000227724	wafer	High end 32-bit security controller with 92-Kbyte EEPROM, 304-Kbyte ROM, 12-Kbyte RAM, DDES, ideal for virtual machine, optimized for Mobile Communication applications
◆ SLE 88C920P-M5.1	SP000227725	T-M5.1-8-1	
◆ SLE 88C920P-MFC5.6	SP000227726	S-MFC5.6-6	
◆ SLE 88C920P-MFC5.8	SP000227729	S-MFC5.8-8-1	
◆▼ SLE 88C1640P-C	SP000234852	wafer	High end 32-bit security controller with 164-Kbyte EEPROM, 304-Kbyte ROM, 12-Kbyte RAM, DDES, ideal for virtual machine, optimized for Mobile Communication applications
◆▼ SLE 88C1640P-M5.1	SP000234853	T-M5.1-8-1	
◆▼ SLE 88C1640P-MFC5.6	SP000234854	S-MFC5.6-6	
◆▼ SLE 88C1640P-MFC5.8	SP000234855	S-MFC5.8-8-1	
◆ SLE 88CF2920P-C	SP000096156	wafer	High end 32-bit security controller with 292-Kbyte flexible EEPROM, 16-Kbyte RAM with powerful Memory Management & Protection Unit, optimized for multi-application cards with highest level security
◆ SLE 88CF2920P-M5.1	SP000096157	T-M5.1-8-1	
◆ SLE 88CF2920P-MFC5.6	SP000096158	S-MFC5.6-6	
◆ SLE 88CF2920P-MFC5.8	SP000096159	S-MFC5.8-8-1	
◆ SLE 88CFX2920P-C	SP000096151	wafer	High end 32-bit security controller with 292-Kbyte flexible EEPROM, 16-Kbyte RAM , 880 byte Crypto RAM with powerful Memory Management & Protection Unit, optimized for multi-application cards with highest level security
◆ SLE 88CFX2920P-M5.1	SP000096152	T-M5.1-8-1	
◆ SLE 88CFX2920P-MFC5.6	SP000096149	S-MFC5.6-6	
◆ SLE 88CFX2920P-MFC5.8	SP000096150	S-MFC5.8-8-1	
◆ SLE 88CF3520P-C	SP000096160	wafer	High end 32-bit security controller with 352-Kbyte flexible EEPROM, 16-Kbyte RAM, ideal for virtual machine, optimized for multi-application cards with highest level security
◆ SLE 88CF3520P-M5.1	SP000096161	T-M5.1-8-1	
◆ SLE 88CF3520P-MFC5.6	SP000096162	S-MFC5.6-6	
◆ SLE 88CF3520P-MFC5.8	SP000096163	S-MFC5.8-8-1	
◆ SLE 88CFX3520P-C	SP000096154	wafer	High end 32-bit security controller with 352-Kbyte flexible EEPROM, 16-Kbyte RAM, 880 byte Crypto RAM, ideal for virtual machine execution and for calculation of Crypto algorithm, optimized for multi-application cards with highest level security
◆ SLE 88CFX3520P-M5.1	SP000096155	T-M5.1-8-1	
◆ SLE 88CFX3520P-MFC5.6	SP000096153	S-MFC5.6-6	
◆▼ SLE 88CFX3520P-MFC5.8	SP000247254	S-MFC5.6-8	
◆ SLE 88CF4000P-C	SP000067771	wafer	High end 32-bit security controller with 400-Kbyte flexible EEPROM, 16-Kbyte RAM, ideal for virtual machine, optimized for multi-application cards with highest level security
◆ SLE 88CF4000P-M5.1	SP000067772	T-M5.1-8-1	
◆ SLE 88CF4000P-MFC5.6	SP000210814	S-MFC5.6-6	
◆ SLE 88CF4000P-MFC5.8	SP000067773	S-MFC5.8-8-1	
◆ SLE 88CFX4000P-C	SP000060206	wafer	High end 32-bit security controller with 400-Kbyte flexible EEPROM, 16-Kbyte RAM, 880 byte Crypto RAM, ideal for virtual machine execution and for calculation of Crypto algorithm, optimized for multi-application cards with highest level security
◆ SLE 88CFX4000P-M5.1	SP000060207	T-M5.1-8-1	
◆ SLE 88CFX4000P-MFC5.6	SP000209744	S-MFC5.6-6	
◆ SLE 88CFX4000P-MFC5.8	SP000060208	S-MFC5.8-8-1	
◆▼ SLE 88CF4002P-C	SP000244846	wafer	High end 32-bit security controller with 400-Kbyte flexible EEPROM, 160-Kbyte ROM, 16-Kbyte RAM, ideal for virtual machine, optimized for multi-application cards with highest level security
◆▼ SLE 88CF4002P-M5.1	SP000244847	T-M5.1-8-1	
◆▼ SLE 88CF4002P-MFC5.6	SP000244848	S-MFC5.6-6	
◆▼ SLE 88CF4002P-MFC5.8	SP000244850	S-MFC5.8-8-1	
◆ SLE 88CFX4002P-C	SP000060214	wafer	High end 32-bit security controller with 400-Kbyte flexible EEPROM, 160-Kbyte ROM, 16-Kbyte RAM, 880 byte Crypto RAM, ideal for virtual machine execution and for calculation of Crypto algorithm, optimized for multi-application cards with highest level security
◆ SLE 88CFX4002P-M5.1	SP000060215	T-M5.1-8-1	
◆▼ SLE 88CFX4002P-MFC5.6	SP000247259	S-MFC5.8-8-1	
◆ SLE 88CFX4002P-MFC5.8	SP000060216	S-MFC5.8-8-1	

Type	Ordering Code	Package	Description
Smart Card Memories			
Telecom ICs			
◆ SLE 6636-C	SP000060267	wafer	Eurochip 66 take the advantage of 18 years experience in the Smart Card Memory business. Intelligent 237-bit EEPROM counter for > 20000 units with security logic, high security authentication and Card-Trash mechanism
◆ SLE 6636COM-C	SP000010098	wafer	
◆ SLE 6636-D	SP000010093	wafer sawn	
◆ SLE 6636COM-D	SP000010094	wafer sawn	
◆ SLE 6636-M3.2	SP000010110	T-M3.2-6-1	
◆ SLE 6636COM-M3.2	SP000010111	T-M3.2-6-1	
◆ SLE 6636-MFC3.1	SP000010022	S-MFC3.1-6-1	
◆ SLE 6636COM-M3.2	SP000010020	S-MFC3.1-6-1	
◆ SLE 6636ECOM-D	SP000079443	wafer sawn	Eurochip 66 take the advantage of 18 years experience in the Smart Card Memory business. Intelligent 237-bit EEPROM counter for > 20000 units with security logic, high security authentication and Card-Trash mechanism, 40-bit counter area including 1-bit for personalization (PROM/EEPROM)
◆ SLE 6636E-M3.2	SP000204855	T-M3.2-6-1	
◆ SLE 6636ECOM-M3.2	SP000214217	T-M3.2-6-1	
◆ SLE 6636E-MFC3.1	SP000102643	S-MFC3.1-6-1	
◆ SLE 6636ECOM-MFC3.1	SP000217141	S-MFC3.1-6-1	Classic is a intelligent 112-bit EEPROM counter for > 20000 units with security logic without authentication, 40 bit for personalization data of card issuer, data of 3rd byte are programmed by the card manufacturer at personalization
◆ SLE 4406SPE-C	SP000095249	wafer	
◆ SLE 4406SPE-D	SP000095254	wafer sawn	
◆ SLE 4406SPE-M3.2	SP000095380	T-M3.2-6-1	
◆ SLE 4406SPE-MFC3.1	SP000095381	S-MFC3.1-6-1	

Datacarrier ICs

◆▼ SLE 5518-C	SP000308575	wafer	Intelligent 1024-byte EEPROM with write protection function, will replace SLE 4418
◆▼ SLE 5518-M3.2	SP000308576	T-M3.2-6-1	
◆▼ SLE 5518-MFC3.1	SP000308578	S-MFC3.1-6-1	
◆▼ SLE 5528-M3.2	SP000268874	T-M3.2-6-1	Intelligent 1024-byte EEPROM with write protection function and Programmable Security Code (PSC), will replace SLE 4428
◆▼ SLE 5528-MFC3.1	SP000269210	S-MFC3.1-6-1	
◆▼ SLE 5538-C	SP000309066	wafer	Intelligent 1024-byte EEPROM with write and read-out protection function and Programmable Security Code (PSC)
◆▼ SLE 5538-M3.2	SP000308579	T-M3.2-6-1	
◆▼ SLE 5538-MFC3.1	SP000308580	S-MFC3.1-6-1	
◆ SLE 5532-C	SP000222820	wafer	Intelligent 256-byte EEPROM with write protection function, will replace SLE 4432
◆▼ SLE 5532-D	SP000238099	wafer sawn	
◆ SLE 5532-M2.2	SP000222821	T-M2.2-8-1	
◆ SLE 5532-M3.2	SP000222822	T-M3.2-6-1	
◆ SLE 5532-MFC3.1	SP000222823	S-MFC3.1-6-1	Intelligent 256-byte EEPROM with write protection function and Programmable Security Code (PSC), will replace SLE 4442
◆ SLE 5542-C	SP000222824	wafer	
◆▼ SLE 5542-D	SP000248426	wafer sawn	
◆ SLE 5542-M3.2	SP000222826	T-M3.2-6-1	
◆ SLE 5542-MFC3.1	SP000222827	S-MFC3.1-6-1	Intelligent 256-byte EEPROM with write and read-out protection function and Programmable Security Code (PSC)
◆▼ SLE 5552-C	SP000292783	wafer	
◆▼ SLE 5552-D	SP000248429	wafer sawn	
◆▼ SLE 5552-M3.2	SP000232946	T-M3.2-6-1	
◆▼ SLE 5552-MFC3.1	SP000232947	S-MFC3.1-6-1	

Chip Card + Security ICs

Type	Ordering Code	Package	Description
Contactless Products			
Contactless Security Controller			
◆ SLE 66CL80P-C	SP000292252	wafer	Dual interface controller with 8-Kbyte EEPROM, 70-Kbyte ROM, 2-Kbyte RAM in 0.22 µm technology, ideal for multi-application cards using security with 3DES or Elliptic curve calculations for e.g. e-purse, identification and transportation
◆ SLE 66CLX320P-M8.4	SP000060232	T-M8.4-8-1	Dual interface cryptocontroller with 32-Kbyte EEPROM, 136-Kbyte ROM, 4352-byte RAM , 700 byte Crypto RAM in 0.22 µm technology, ideal for multi-application cards requiring a high level of security, suitable for all applications
◆ SLE 66CLX321P-C	SP000292275	wafer	Contactless controller with 32-Kbyte EEPROM, 136-Kbyte ROM, 5052-byte incl. Crypto RAM in 0.22 µm technology, optimized for pure contactless single-/multi-application cards with 3DES, RSA or Elliptic curve calculations for e.g. banking and identification
◆ SLE 66CLX321P-MCC8	SP000292276	P-MCC8-2-1	

Enhanced High Performance Controller Contactless

◆▼ SLE 66CL41PE-C	SP000105543	wafer	Pure contactless security controller with 4-Kbyte EEPROM, 92-Kbyte ROM, 2-Kbyte RAM, contactless interface complying to ISO/IEC14443 B & A mode
◆▼ SLE 66CL41PE-MCC8	SP000292242	P-MCC8-2-1	
◆▼ SLE 66CL81PE-NB	SP000292257	wafer sawn	Pure contactless security controller with 8-Kbyte EEPROM, 92-Kbyte ROM, 2-Kbyte RAM, contactless interface complying to ISO/IEC14443 B & A mode

Enhanced High Performance Controller Dual Interface

◆▼ SLE 66CL80PE-C	SP000105545	wafer	Dual interface security controller with 8-Kbyte EEPROM, 92-Kbyte ROM, 2K-byte RAM, contactless interface complying to ISO/IEC14443 type B & A mode, ISO/IEC 18092 passive mode
◆▼ SLE 66CL80PE-NB	SP000105547	wafer sawn	
◆▼ SLE 66CL80PE-M8.4	SP000105546	T-M8.4-8-1	

Enhanced High Performance Controller Dual Interface & Contactless

◆▼ SLE 66CL180PE-C	SP000105538	wafer	Dual interface and contactless security controller with 18-Kbyte EEPROM, 92-Kbyte ROM, 2-Kbyte RAM, contactless interface complying to ISO/IEC14443 type B & A mode, ISO/IEC 18092 passive mode
◆▼ SLE 66CL180PE-M8.4	SP000105539	T-M8.4-8-1	
◆▼ SLE 66CL180PE-MCC8	SP000105540	P-MCC8-2-1	
◆▼ SLE 66CL180PEM-C	SP000292237	wafer	Dual interface and contactless security controller with 16 (+1)-Kbyte EEPROM, 88-Kbyte ROM, 2-Kbyte RAM, contactless interface complying to ISO/IEC14443 type B & A mode, ISO/IEC 18092 passive mode, MIFARE [®] emulation
◆▼ SLE 66CLX360PE-C	SP000105548	wafer	Dual interface and contactless security cryptocontroller with 36-Kbyte EEPROM, 240-Kbyte ROM, 6-Kbyte RAM, 700 byte Crypto RAM, contactless interface complying to ISO/IEC14443 type B & A mode, ISO/IEC 18092 passive mode
◆▼ SLE 66CLX360PE-M8.4	SP000105549	T-M8.4-8-1	
◆▼ SLE 66CLX360PE-MCC8	SP000105550	P-MCC8-2-1	
◆▼ SLE 66CLX360PEM-C	SP000292277	wafer	Dual interface and contactless security cryptocontroller with 36 (+1)-Kbyte EEPROM, 236-Kbyte ROM, 6-Kbyte RAM, 700 byte Crypto RAM, contactless interface complying to ISO/IEC14443 type B & A mode, ISO/IEC 18092 passive mode, MIFARE [®] emulation
◆▼ SLE 66CLX360PEM-M8.4	SP000292279	T-M8.4-8-1	
◆▼ SLE 66CLX360PEM-MCC8	SP000292281	P-MCC8-2-1	
◆▼ SLE 66CLX800PE-C	SP000275909	wafer	Dual interface and contactless security cryptocontroller with 80-Kbyte EEPROM, 240-Kbyte ROM, 6-Kbyte RAM, 700 byte Crypto RAM, contactless interface complying to ISO/IEC14443 type B & A mode, ISO/IEC 18092 passive mode
◆▼ SLE 66CLX800PE-M8.4	SP000275910	T-M8.4-8-1	
◆▼ SLE 66CLX800PE-MCC8	SP000275912	P-MCC8-2-1	
◆▼ SLE 66CLX800PEM-C	SP000105551	wafer	Dual interface and contactless security cryptocontroller with 78 (+1)-Kbyte EEPROM, 236-Kbyte ROM, 6-Kbyte RAM, 700 byte Crypto RAM, contactless interface complying to ISO/IEC14443 type B & A mode, ISO/IEC 18092 passive mode, MIFARE [®] emulation
◆▼ SLE 66CLX800PEM-M8.4	SP000105552	T-M8.4-8-1	
◆▼ SLE 66CLX800PEM-MCC8	SP000105553	P-MCC8-2-1	

Type	Ordering Code	Package	Description
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Contactless Products

Contactless Memories my-d™ Vicinity

◆ SRF 55V01P-NB	SP000219049	wafer sawn	Intelligent 576-bit EEPROM with contactless interface complying to ISO/IEC18000-3 mode 1
◆ SRF 55V02P-C	SP000009363	wafer	Intelligent 2.5-Kbit EEPROM with contactless interface complying to ISO/IEC 15693 and ISO/IEC18000-3 mode 1
◆ SLE 55V02P-NB	SP000009489	wafer sawn	
◆ SRF 55V02P-MCC2	SP000009367	P-MCC2-2-1	
◆▼ SRF 55V02P HC-C	SP000245648	wafer	Intelligent 2.5-Kbit EEPROM with contactless interface complying to ISO/IEC 15693 and ISO/IEC18000-3 mode 1, high input capacitance
◆▼ SLE 55V02P HC-NB	SP000245649	wafer sawn	
◆ SRF 55V02S-C	SP000009364	wafer	Intelligent 2.5-Kbit EEPROM with contactless interface complying to ISO/IEC 15693 and ISO/IEC18000-3 mode 1 and security logic, security algorithm, 64-bit key length, selective memory access control, 32-bit MAC, transport key
◆ SRF 55V02S-NB	SP000009491	wafer sawn	
◆ SRF 55V02S-MCC2	SP000009368	P-MCC2-2-1	
◆ SRF 55V10P-C	SP000009362	wafer	Intelligent 10-Kbit EEPROM with contactless interface complying to ISO/IEC 15693 and ISO/IEC18000-3 mode 1
◆ SRF 55V10P-NB	SP000009490	wafer sawn	
◆ SRF 55V10P-MCC2	SP000009365	P-MCC2-2-1	
◆▼ SRF 55V10P HC-C	SP000316322	wafer	Intelligent 10-Kbit EEPROM with contactless interface complying to ISO/IEC 15693 and ISO/IEC18000-3 mode 1, high input capacitance
◆▼ SRF 55V10P HC-NB	SP000315963	wafer sawn	
◆ SRF 55V10S-C	SP000009289	wafer	Intelligent 10-Kbit EEPROM with contactless interface complying to ISO/IEC 15693 and security logic, security algorithm, 64-bit key length, selective memory access control, 32-bit MAC, transport key
◆ SRF 55V10S-NB	SP000009290	wafer sawn	
◆ SRF 55V10S-MCC2	SP000009366	P-MCC2-2-1	
◆ SRF 66V10IT-NB	SP000010136	wafer	Intelligent 10-Kbit EEPROM with contactless interface complying to ISO/IEC 18000-3 mode 2, PJM item tag
◆ SRF 66V10ST-NB	SP000206820	wafer sawn	Intelligent 10-Kbit EEPROM with contactless interface enhancement of ISO/IEC 18000-3 mode 2, stack tag

Infineon MIFARE®

◆ SLE 66R35-C	SP000292799	wafer	Intelligent 1-Kbyte Memory chip with interface for contactless transmission according to the MIFARE®-system
◆ SLE 66R35-NB	SP000298582	wafer sawn	
◆ SLE 66R35-MCC2	SP000298576	P-MCC2-2-1	
◆ SLE 66R35-MCC8	SP000292802	P-MCC8-2-1	

Summary of Types

Type		Ordering Code	Page	Type		Ordering Code	Page
BAS16U (Triple)	3k	SP000012608	118	BAT15-098LRH	15k	SP000055342	134
BAS170W	3k	SP000010216	120	BAT15-099 (Dual)	10k	SP000010275	134
BAS21	10k	SP000010219	117	BAT15-099 (Dual)	3k	SP000010273	134
BAS21	3k	SP000010217	117	BAT15-099LRH	15k	SP000055343	134
BAS21-03W	10k	SP000082470	117	BAT15-099R (Quad)	3k	SP000010276	134
BAS21-03W	3k	SP000012522	117	BAT165	3k	SP000010277	121
BAS21U (Triple)	3k	SP000012610	118	BAT17	3k	SP000010280	134
BAS28 (Dual)	3k	SP000010225	118	BAT17-04 (Dual)	3k	SP000010283	134
BAS28W (Dual)	3k	SP000010230	118	BAT17-04W (Dual)	3k	SP000012242	134
BAS3005A-02V	3k	SP000297683	120	BAT17-05 (Dual)	3k	SP000010285	134
BAS3005B-02V	3k	SP000065626	120	BAT17-05W (Dual)	3k	SP000012243	134
BAS3010A-03W	3k	SP000068629	120	BAT17-06W (Dual)	3k	SP000012244	134
BAS3010B-03W	3k	SP000068630	120	BAT17-07 (Dual)	3k	SP000010289	134
BAS3010S-03LRH	15k	SP000356307	120	BAT18-04	3k	SP000010290	134
BAS40	10k	SP000010233	119	BAT18-05	3k	SP000010291	134
BAS40	10x3k	SP000250514	119	BAT24-02LS	15k	SP000304927	134
BAS40	3k	SP000010235	119	BAT240A (Dual)	3k	SP000010292	121
BAS40	9x10k	SP000250515	119	BAT54	10x3k	SP000250525	120
BAS40-02L	15k	SP000013549	119	BAT54	3k	SP000068499	120
BAS40-04 (Dual)	10k	SP000010243	119	BAT54	9x10k	SP000250524	120
BAS40-04 (Dual)	10x3k	SP000250516	119	BAT54-02LRH	15k	SP000234099	120
BAS40-04 (Dual)	3k	SP000010241	119	BAT54-02V	3k	SP000232851	120
BAS40-04 (Dual)	9x10k	SP000250349	119	BAT54-04 (Dual)	10x3k	SP000250526	120
BAS40-05 (Dual)	10k	SP000010242	119	BAT54-04 (Dual)	3k	SP000068500	120
BAS40-05 (Dual)	3k	SP000010240	119	BAT54-04 (Dual)	9x10k	SP000250383	120
BAS40-05W (Dual)	3k	SP000014595	119	BAT54-04W (Dual)	3k	SP000233428	120
BAS40-06 (Dual)	10k	SP000010244	119	BAT54-05 (Dual)	10x3k	SP000237222	120
BAS40-06 (Dual)	10x3k	SP000250518	119	BAT54-05 (Dual)	3k	SP000068509	120
BAS40-06 (Dual)	3k	SP000010239	119	BAT54-05 (Dual)	9x10k	SP000237224	120
BAS40-06 (Dual)	9x10k	SP000250355	119	BAT54-05W (Dual)	3k	SP000233429	120
BAS40-06W (Dual)	3k	SP000014597	119	BAT54-06 (Dual)	10x3k	SP000237223	120
BAS40-07 (Dual)	10x3k	SP000056361	119	BAT54-06 (Dual)	3k	SP000068510	120
BAS40-07 (Dual)	3k	SP000010245	119	BAT54-06 (Dual)	9x10k	SP000237225	120
BAS40-07W (Dual)	3k	SP000010246	119	BAT54-06W (Dual)	3k	SP000233430	120
BAS40-5 (Dual)	10x3k	SP000250517	119	BAT54W (Dual)	3k	SP000233431	120
BAS40-5 (Dual)	9x10k	SP000250354	119	BAT60A	3k	SP000010294	134
BAS52-02V	3k	SP000013936	119	BAT60B	3k	SP000010296	134
BAS52-02V	8k	SP000104721	119	BAT62	3k	SP000010300	135
BAS70	10k	SP000010248	119	BAT62-02L	3k	SP000016963	135
BAS70	10x3k	SP000250520	119	BAT62-02LS	15k	SP000273996	135
BAS70	3k	SP000010247	119	BAT62-02W	3k	SP000010301	135
BAS70	9x10k	SP000250519	119	BAT62-03W	3k	SP000010303	135
BAS70-02L	15k	SP000013550	119	BAT62-07L4 (Dual)	15k	SP000013970	135
BAS70-02W (Dual)	3k	SP000012521	119	BAT62-07L4 (Dual)	50k	SP000077202	135
BAS70-04 (Dual)	10k	SP000010256	119	BAT62-07W (Dual)	3k	SP000010304	135
BAS70-04 (Dual)	10x3k	SP000237212	119	BAT62-09S (Dual)	3k	SP000055207	135
BAS70-04 (Dual)	3k	SP000010253	119	BAT63-02V	3k	SP000273992	135
BAS70-04 (Dual)	9x10k	SP000250521	119	BAT63-07W	3k	SP000010306	135
BAS70-04S (Quad)	3k	SP000014598	119	BAT64	10x3k	SP000250528	120
BAS70-04W (Dual)	3k	SP000010249	119	BAT64	3k	SP000010307	120
BAS70-05 (Dual)	10k	SP000078827	119	BAT64	9x10k	SP000250527	120
BAS70-05 (Dual)	10x3k	SP000250522	119	BAT64-02W	3k	SP000012516	120
BAS70-05 (Dual)	3k	SP000010252	119	BAT64-04 (Dual)	10k	SP000010314	120
BAS70-05 (Dual)	9x10k	SP000250356	119	BAT64-04 (Dual)	10x3k	SP000250529	120
BAS70-05W (Dual)	3k	SP000010250	119	BAT64-04 (Dual)	3k	SP000010309	120
BAS70-06 (Dual)	10k	SP000010260	119	BAT64-04 (Dual)	9x10k	SP000250384	120
BAS70-06 (Dual)	10x3k	SP000250523	119	BAT64-04W (Dual)	3k	SP000014600	120
BAS70-06 (Dual)	3k	SP000010254	119	BAT64-05 (Dual)	10x3k	SP000250530	121
BAS70-06 (Dual)	9x10k	SP000250387	119	BAT64-05 (Dual)	3k	SP000010310	121
BAS70-06W (Dual)	3k	SP000010251	119	BAT64-05 (Dual)	9x10k	SP000250385	121
BAS70-07 (Dual)	10k	SP000010269	120	BAT64-05W (Dual)	3k	SP000014601	121
BAS70-07 (Dual)	3k	SP000010266	120	BAT64-06 (Dual)	10x3k	SP000250531	121
BAS70-07W (Dual)	3k	SP000010270	120	BAT64-06 (Dual)	3k	SP000010311	121
BAS70-T1		SP000011403	121	BAT64-06 (Dual)	9x10k	SP000250386	121
BAT15-02LRH	15k	SP000055124	134	BAT64-06W (Dual)	3k	SP000014602	121
BAT15-03W	3k	SP000010272	134	BAT68	3k	SP000012514	134
BAT15-04W (Dual)	3k	SP000012598	134	BAT68-04 (Dual)	3k	SP000010320	134
BAT15-05W (Dual)	3k	SP000012597	134	BAT68-04W (Dual)	3k	SP000012246	134
BAT15-07LRH	15k	SP000055813	134	BAT68-06 (Dual)	3k	SP000010322	134

Summary of Types

Type		Ordering Code	Page	Type		Ordering Code	Page
BAT68-06W (Dual)	3k	SP000012245	134	BB689-02V matched	3k	SP000013414	138
BAT68-07W (Dual)	3k	SP000010324	134	BB689-02V unmatched	3k	SP000013415	138
BAT68-08S	3k	SP000012460	135	BB804SF1 (Dual)	3k	SP000010425	138
BAV170 (Dual)	10k	SP000010332	118	BB804SF2 (Dual)	3k	SP000010426	138
BAV170 (Dual)	3k	SP000010325	118	BB804SF3 (Dual)	3k	SP000010427	138
BAV199 (Dual)	10k	SP000010330	118	BB814GR1 (Dual)	10k	SP000051040	138
BAV199 (Dual)	3k	SP000010326	118	BB814GR1 (Dual)	3k	SP000010433	138
BAV199 (Dual)	3k	SP000056360	118	BB814GR1 (Dual)	3k	SP000095920	138
BAV70 (Dual)	10k	SP000014924	118	BB814GR2 (Dual)	3k	SP000010435	138
BAV70 (Dual)	10x3k	SP000223868	118	BB831	3k	SP000012250	139
BAV70 (Dual)	3k	SP000014923	118	BB833	10k	SP000010438	139
BAV70 (Dual)	9x10k	SP000223928	118	BB833	3k	SP000010437	139
BAV70S (Quad)	3k	SP000010338	118	BB837	3k	SP000010441	139
BAV70U (Quad)	3k	SP000012931	118	BB844	3k	SP000013388	139
BAV70W (Dual)	10k	SP000014990	118	BB857 matched	3k	SP000010443	139
BAV70W (Dual)	3k	SP000014989	118	BB857 unmatched	3k	SP000010444	139
BAV99 (Dual)	10k	SP000010342	118	BB914 (Dual)	3k	SP000010445	139
BAV99 (Dual)	10x3k	SP000223871	118	BBY51	10k	SP000010451	141
BAV99 (Dual)	3k	SP000010350	118	BBY51	3k	SP000010449	141
BAV99 (Dual)	9x10k	SP000223929	118	BBY51-02L	15k	SP000014590	141
BAV99S (Quad)	10k	SP000010357	118	BBY51-02W	3k	SP000010452	141
BAV99S (Quad)	3k	SP000010356	118	BBY51-03W	3k	SP000010453	141
BAV99W (Dual)	10k	SP000010341	118	BBY52-02L	15k	SP000014591	141
BAV99W (Dual)	10x3k	SP000056356	118	BBY52-02W	3k	SP000010454	141
BAV99W (Dual)	3k	SP000010340	118	BBY53	3k	SP000010455	141
BAW101 (Dual)	10k	SP000010364	118	BBY53-02L	15k	SP000014592	141
BAW101 (Dual)	3k	SP000010363	118	BBY53-02V	3k	SP000010337	141
BAW156 (Dual)	3k	SP000010327	118	BBY53-02W	3k	SP000010459	141
BAW56 (Dual)	10k	SP000014931	118	BBY53-03W	3k	SP000010461	141
BAW56 (Dual)	3k	SP000014929	118	BBY53-05W	3k	SP000012248	141
BAW56	10x3k	SP000223877	118	BBY55-02V	3k	SP000013069	141
BAW56	9x10k	SP000223931	118	BBY55-02W	3k	SP000012232	141
BAW56S (Quad)	10x3k	SP000056359	118	BBY55-03W	3k	SP000012238	141
BAW56S (Quad)	3k	SP000014908	118	BBY56-02W	3k	SP000012233	141
BAW56U (Quad)	3k	SP000014993	118	BBY56-02W	8k	SP000104694	141
BAW56W (Dual)	3k	SP000014991	118	BBY56-03W	3k	SP000012239	141
BAW78 D	1k	SP000010370	117	BBY57-02L	15k	SP000013551	141
BAW79 D (Dual)	1k	SP000014594	117	BBY57-02V	3k	SP000010317	141
BB439 matched	3k	SP000010372	138	BBY57-02W	3k	SP000012234	141
BB535 matched	3k	SP000010375	138	BBY57-02W	8k	SP000104693	141
BB535 unmatched	3k	SP000010377	138	BBY57-05W	3k	SP000012457	141
BB545 matched	3k	SP000010383	138	BBY58-02L	15k	SP000013552	141
BB555 E7912	8k	SP000104718	138	BBY58-02V	3k	SP000012231	141
BB555 matched	3k	SP000010389	138	BBY58-02W	3k	SP000012235	141
BB555 unmatched	3k	SP000010390	138	BBY58-02W	8k	SP000104692	141
BB555-02V unmatched	3k	SP000013177	138	BBY58-03W	3k	SP000012240	141
BB555-02V E7912	8k	SP000104717	138	BBY58-05W	3k	SP000014603	141
BB555-02V matched	3k	SP000013176	138	BBY58-06W	3k	SP000014605	141
BB565 matched	3k	SP000010393	138	BBY59-02V	3k	SP000012825	141
BB565 unmatched	3k	SP000010392	138	BBY61-02LS	15k	SP000200324	141
BB565-02V matched	3k	SP000013416	138	BBY65-02V	3k	SP000013604	141
BB639 matched	3k	SP000010401	138	BBY66-02V	3k	SP000012826	141
BB639C matched	3k	SP000010396	138	BBY66-05	3k	SP000013483	141
BB639C unmatched	3k	SP000010398	138	BBY66-05W	3k	SP000012827	141
BB640 matched	3k	SP000010406	138	BC807-16	10k	SP000010475	126
BB644 matched	3k	SP000010411	138	BC807-16	3k	SP000010474	126
BB659 matched	3k	SP000056645	138	BC807-16W	3k	SP000014778	126
BB659 unmatched	3k	SP000010414	138	BC807-25	10k	SP000010478	126
BB659C matched	3k	SP000010417	138	BC807-25	10x3k	SP000223880	126
BB659C unmatched	3k	SP000104720	138	BC807-25	3k	SP000010472	126
BB659C-02V E7912	8k	SP000104719	138	BC807-25	9x10k	SP000223932	126
BB659C-02V matched	3k	SP000013179	138	BC807-25W	3k	SP000014779	126
BB659C-02V unmatched	3k	SP000013180	138	BC807-40	10k	SP000010477	126
BB664 matched	3k	SP000010418	138	BC807-40	10x3k	SP000223878	126
BB664-02V matched	3k	SP000013418	138	BC807-40	3k	SP000010473	126
BB669 matched	3k	SP000010419	138	BC807-40	9x10k	SP000223933	126
BB689 E7912	8k	SP000104709	138	BC807-40W	10k	SP000014689	126
BB689 matched	3k	SP000010423	138	BC807-40W	3k	SP000014688	126
BB689 unmatched	3k	SP000010422	138	BC807U	3k	SP000012395	133



Summary of Types

Type		Ordering Code	Page	Type		Ordering Code	Page
BC808-25	10k	SP000015033	126	BC849CW	3k	SP000010613	123
BC808-25	3k	SP000015031	126	BC850B	10x3k	SP000223897	123
BC808-25W	3k	SP000014777	126	BC850B	3k	SP000010572	123
BC808-40	10x3k	SP000095913	126	BC850B	9x10k	SP000223943	123
BC808-40	3k	SP000015032	126	BC850BW	3k	SP000010614	123
BC808-40W	3k	SP000010462	126	BC850C	10x3k	SP000223898	123
BC817K-16	10k	SP000271829	122	BC850C	3k	SP000010563	123
BC817K-16	10x3k	SP000271787	122	BC850CW	3k	SP000010615	123
BC817K-16	3k	SP000271788	122	BC856A	3k	SP000012934	126
BC817K-16	9x10k	SP000271786	122	BC856B	10k	SP000012936	126
BC817K-25	10k	SP000271879	122	BC856B	3k	SP000012935	126
BC817K-25	10x3k	SP000271874	122	BC856BW	10k	SP000012945	126
BC817K-25	3k	SP000271875	122	BC856BW	3k	SP000012943	126
BC817K-25	9x10k	SP000271870	122	BC856S	10k	SP000012941	133
BC817K-25W	10k	SP000271930	122	BC856S	3k	SP000012942	133
BC817K-25W	3k	SP000271929	122	BC856U	3k	SP000012620	133
BC817K-40	10k	SP000271898	122	BC857A	3k	SP000010639	126
BC817K-40	10x3k	SP000271888	122	BC857B	10k	SP000010648	126
BC817K-40	3k	SP000271895	122	BC857B	10x3k	SP000223899	126
BC817K-40	9x10k	SP000271887	122	BC857B	3k	SP000010633	126
BC817K-40W	3k	SP000271931	122	BC857B	9x10k	SP000223944	126
BC817SU	3k	SP000296413	122	BC857BL3	3k	SP000013556	126
BC817U	3k	SP000012394	133	BC857BW	3k	SP000010672	126
BC817UPN	10x3k	SP000056357	133	BC857C	10k	SP000010660	126
BC817UPN	3k	SP000012398	133	BC857C	10x3k	SP000223900	126
BC818K-16W	3k	SP000271932	122	BC857C	3k	SP000010640	126
BC818K-25	3k	SP000271900	122	BC857C	9x10k	SP000223945	126
BC818K-40	3k	SP000271908	122	BC857CW	10k	SP000010682	126
BC846A	10k	SP000010532	122	BC857CW	3k	SP000010673	126
BC846A	3k	SP000010531	122	BC857S	10k	SP000010667	133
BC846B	10k	SP000010534	122	BC857S	3k	SP000010666	133
BC846B	10x3k	SP000223891	122	BC858A	3k	SP000010636	126
BC846B	3k	SP000010530	122	BC858B	10k	SP000010652	126
BC846B	9x10k	SP000223940	122	BC858B	3k	SP000010634	126
BC846BW	3k	SP000010523	122	BC858BL3	3k	SP000013555	126
BC846PN	3k	SP000010518	133	BC858BW	3k	SP000010675	126
BC846S	10k	SP000010522	133	BC858C	10k	SP000010654	127
BC846S	3k	SP000010521	133	BC858C	3k	SP000010624	127
BC846U	3k	SP000012619	133	BC858CW	3k	SP000010676	127
BC846UPN	3k	SP000012621	133	BC859C	3k	SP000010637	127
BC847A	3k	SP000010571	122	BC860B	3k	SP000010642	127
BC847B	10k	SP000010576	122	BC860BW	3k	SP000010680	127
BC847B	10x3k	SP000223887	122	BC860C	10x3k	SP000223901	127
BC847B	3k	SP000010559	122	BC860C	9x10k	SP000223946	127
BC847B	9x10k	SP000223941	122	BC860CW	3k	SP000010681	127
BC847BL3	15k	SP000013553	122	BCM846S	3k	SP000013958	133
BC847BW	3k	SP000010606	122	BCM856S	3k	SP000014127	133
BC847C	10k	SP000010590	122	BCP 68-25	1k	SP000010721	125
BC847C	10x3k	SP000223890	122	BCP49	1k	SP000010685	130
BC847C	3k	SP000010565	122	BCP51	1k	SP000010692	129
BC847C	9x10k	SP000223942	122	BCP51-16	1k	SP000010694	129
BC847CW	10k	SP000010616	122	BCP51-16	4k	SP000010703	129
BC847CW	10x3k	SP000056355	122	BCP52-16	1k	SP000010696	129
BC847CW	3k	SP000010607	122	BCP53-10	1k	SP000010697	129
BC847PN	10k	SP000010594	133	BCP53-16	1k	SP000010698	129
BC847PN	10x3k	SP000056358	133	BCP53-16	4k	SP000010702	129
BC847PN	3k	SP000010593	133	BCP54	1k	SP000010707	125
BC847S	10k	SP000010599	133	BCP54-16	1k	SP000010709	125
BC847S	3k	SP000010598	133	BCP54-16	4k	SP000010717	125
BC848A	3k	SP000010568	122	BCP55	1k	SP000010713	125
BC848B	10k	SP000010581	122	BCP55-16	1k	SP000010711	125
BC848B	3k	SP000010561	122	BCP56-10	1k	SP000010712	125
BC848BL3	15k	SP000013554	122	BCP56-10	4k	SP000010718	125
BC848BW	3k	SP000010610	122	BCP56-16	1k	SP000010706	125
BC848C	10k	SP000010582	123	BCP69-25	1k	SP000015154	129
BC848C	3k	SP000010552	123	BCR08PN	10k	SP000083564	132
BC848CW	3k	SP000010611	123	BCR08PN	10x3k	SP000010726	132
BC849B	3k	SP000010567	123	BCR08PN	3k	SP000010727	132
BC849C	3k	SP000010564	123	BCR0PN	10x3k	SP000010731	132

Summary of Types

Type		Ordering Code	Page	Type		Ordering Code	Page
BCR0PN	3k	SP000010732	132	BCR185	3k	SP000010806	128
BCR108	10k	SP000010737	124	BCR185S	10x3k	SP000056342	132
BCR108	10x3k	SP000056348	124	BCR185S	3k	SP000012273	132
BCR108	3k	SP000010736	124	BCR185W	3k	SP000010808	128
BCR108S	10k	SP000010740	132	BCR191	3k	SP000010810	128
BCR108S	3k	SP000010743	132	BCR191W	3k	SP000012275	128
BCR108T	3k	SP000012799	124	BCR192	10x3k	SP000056349	128
BCR108W	3k	SP000010746	124	BCR192	3k	SP000010812	128
BCR112	3k	SP000010747	124	BCR192W	3k	SP000010816	128
BCR112W	3k	SP000010748	124	BCR196	3k	SP000014762	128
BCR116	10k	SP000010751	124	BCR196W	3k	SP000018040	128
BCR116	3k	SP000010749	124	BCR198	10k	SP000010820	128
BCR116F	3k	SP000013047	124	BCR198	10x3k	SP000056350	128
BCR116L3	15k	SP000014853	124	BCR198	3k	SP000010817	128
BCR116S	3k	SP000012266	132	BCR198S	3k	SP000010822	132
BCR116T	3k	SP000014775	124	BCR198W	3k	SP000010824	128
BCR116W	3k	SP000012264	124	BCR22PN	10k	SP000010827	132
BCR119	10k	SP000010754	124	BCR22PN	3k	SP000010826	132
BCR119	3k	SP000010752	124	BCR35PN	10k	SP000010832	132
BCR119S	10k	SP000012332	132	BCR35PN	3k	SP000010831	132
BCR119S	3k	SP000012331	132	BCR400W	3k	SP000010834	129
BCR119W	3k	SP000012267	124	BCR401R	3k	SP000013678	129
BCR129	3k	SP000012520	124	BCR401W	3k	SP000274678	129
BCR129S	3k	SP000010755	132	BCR402R	3k	SP000013057	129
BCR129W	3k	SP000014963	124	BCR402U	3k	SP000013482	129
BCR133	10k	SP000010759	124	BCR402W	3k	SP000274679	129
BCR133	10x3k	SP000056346	124	BCR405U	3k	SP000013481	129
BCR133	3k	SP000010757	124	BCR410W	3k	SP000012946	129
BCR133L3	15k	SP000013564	124	BCR48PN	10k	SP000010837	132
BCR133S	10k	SP000010763	132	BCR48PN	3k	SP000010836	132
BCR133S	10x3k	SP000056343	132	BCR503	10x3k	SP000056345	124
BCR133S	3k	SP000010761	132	BCR503	3k	SP000010839	124
BCR133W	3k	SP000010764	124	BCR505	3k	SP000010841	124
BCR135	10k	SP000010767	124	BCR512	10x3k	SP000056341	124
BCR135	3k	SP000010765	124	BCR512	3k	SP000010844	124
BCR135S	3k	SP000012335	132	BCR521	3k	SP000010845	124
BCR135W	3k	SP000010768	124	BCR523	10k	SP000010852	124
BCR141	10k	SP000010771	124	BCR523	3k	SP000010851	124
BCR141	3k	SP000010769	124	BCR523U	3k	SP000013381	132
BCR141S	3k	SP000012336	132	BCR533	3k	SP000010853	124
BCR141W	3k	SP000010773	124	BCR553	3k	SP000010854	128
BCR142	10x3k	SP000010774	124	BCR555	10k	SP000010857	128
BCR142	3k	SP000010775	124	BCR555	3k	SP000010855	128
BCR142W	3k	SP000012269	124	BCR562	3k	SP000010859	128
BCR146	3k	SP000010777	124	BCR573	10k	SP000010860	128
BCR148	10x3k	SP000056351	124	BCR573	3k	SP000010861	128
BCR148	3k	SP000010780	124	BCR583	3k	SP000012278	128
BCR148S	10k	SP000012339	132	BCV26	3k	SP000010874	130
BCR148S	3k	SP000012338	132	BCV27	3k	SP000010865	130
BCR148W	3k	SP000010783	124	BCV28	1k	SP000010879	130
BCR158	3k	SP000010784	128	BCV29	1k	SP000010883	130
BCR158W	10x3k	SP000056347	128	BCV46	3k	SP000010873	130
BCR158W	3k	SP000012761	128	BCV47	10k	SP000010864	130
BCR162	10x3k	SP000056352	128	BCV47	3k	SP000010866	130
BCR162	3k	SP000010785	128	BCV48	1k	SP000010880	130
BCR166	10k	SP000010791	128	BCV49	1k	SP000010882	130
BCR166	10x3k	SP000056344	128	BCV61A	3k	SP000010885	133
BCR166	3k	SP000010788	128	BCV61B	3k	SP000010886	133
BCR166W	3k	SP000012875	128	BCV61C	3k	SP000010887	133
BCR169	3k	SP000010793	128	BCV62A	3k	SP000010889	133
BCR169S	3k	SP000012272	132	BCV62B	10k	SP000010893	133
BCR169W	3k	SP000012271	128	BCV62B	3k	SP000010890	133
BCR183	10k	SP000010796	128	BCV62C	3k	SP000010891	133
BCR183	10x3k	SP000057461	128	BCW60B	3k	SP000010551	123
BCR183	3k	SP000010794	128	BCW60C	3k	SP000010548	123
BCR183S	10k	SP000010804	132	BCW60D	3k	SP000010549	123
BCR183S	3k	SP000010802	132	BCW60FF	3k	SP000010554	123
BCR183W	3k	SP000010805	128	BCW61A	3k	SP000010621	127
BCR185	10k	SP000010807	128	BCW61B	3k	SP000010629	127



Summary of Types

Type		Ordering Code	Page	Type		Ordering Code	Page
BCW61C	3k	SP000010622	127	BF5030W	3k	SP000101236	142
BCW61D	3k	SP000010627	127	BF517	3k	SP000010958	143
BCW66F	3k	SP000010504	123	BF770A	3k	SP000010965	143
BCW66KF	3k	SP000271902	123	BF771	3k	SP000010967	143
BCW66KG	10k	SP000301110	123	BF775	3k	SP000010972	143
BCW66KG	3k	SP000271904	123	BF799	3k	SP000010973	143
BCW66KH	10x3k	SP000271905	123	BF799W	3k	SP000010975	143
BCW66KH	3k	SP000271906	123	BF998	3k	SP000010978	142
BCW67A	3k	SP000015036	127	BF998R	3k	SP000010979	142
BCW67B	3k	SP000015035	127	BF999	3k	SP000010985	142
BCW67C	3k	SP000015037	127	BFG135A	1k	SP000010991	144
BCW68F	3k	SP000015041	127	BFG193	4k	SP000010994	144
BCW68G	3k	SP000015039	127	BFG196	1k	SP000010995	144
BCW68H	3k	SP000015040	127	BFG19S	1k	SP000010992	144
BCX41	3k	SP000010894	123	BFG235	1k	SP000010996	144
BCX42	10k	SP000010902	127	BFN18	1k	SP000010997	131
BCX42	3k	SP000010900	127	BFN19	1k	SP000010998	131
BCX51	1k	SP000014826	129	BFN24	3k	SP000014784	131
BCX51-16	1k	SP000014827	129	BFN26	10k	SP000014786	131
BCX52	1k	SP000014828	129	BFN26	3k	SP000014785	131
BCX52-16	1k	SP000014830	129	BFN27	3k	SP000014782	131
BCX53	1k	SP000010906	129	BFN38	1k	SP000011006	131
BCX53-10	1k	SP000010908	129	BFN39	1k	SP000014781	131
BCX53-16	1k	SP000010907	129	BFP181	3k	SP000011013	143
BCX53-16	4k	SP000010909	129	BFP182	3k	SP000011015	143
BCX54-16	1k	SP000010918	125	BFP182R	3k	SP000011016	143
BCX55	1k	SP000010916	125	BFP182W	3k	SP000011017	143
BCX55-16	1k	SP000010920	125	BFP183	3k	SP000011018	143
BCX55-16	4k	SP000010922	125	BFP183W	3k	SP000011023	143
BCX56	1k	SP000010914	125	BFP193	3k	SP000011024	143
BCX56-10	1k	SP000010915	125	BFP193W	3k	SP000011026	143
BCX56-16	1k	SP000010913	125	BFP196	3k	SP000011027	143
BCX56-16	4k	SP000017942	125	BFP196R	3k	SP000011028	143
BCX68-10	1k	SP000010924	125	BFP196W	3k	SP000011030	143
BCX68-16	1k	SP000010925	125	BFP405	10k	SP000011033	145
BCX68-25	1k	SP000010926	125	BFP405	3k	SP000011032	145
BCX69-10	1k	SP000010928	129	BFP405F	15k	SP000012985	145
BCX69-16	1k	SP000010929	129	BFP420	10k	SP000011036	145
BCX69-25	1k	SP000010930	129	BFP420	3k	SP000011035	145
BCX70G	3k	SP000010555	123	BFP420F	15k	SP000012986	145
BCX70H	10k	SP000010578	123	BFP450	3k	SP000011039	145
BCX70H	3k	SP000010550	123	BFP460	3k	SP000015119	143
BCX70J	10k	SP000010573	123	BFP520	3k	SP000012229	145
BCX70J	3k	SP000010556	123	BFP520F	15k	SP000012987	145
BCX70K	3k	SP000010558	123	BFP540	3k	SP000012602	145
BCX71G	3k	SP000010623	127	BFP540ESD	3k	SP000105377	145
BCX71H	3k	SP000010631	127	BFP540F	15k	SP000012988	145
BCX71J	10k	SP000010647	127	BFP540FESD	3k	SP000296093	145
BCX71J	3k	SP000010625	127	BFP620 E7764	3k	SP000012604	145
BCX71K	3k	SP000010632	127	BFP620F E7764	15k	SP000012989	145
BDP947	1k	SP000010931	123	BFP640	3k	SP000012991	145
BDP948	1k	SP000010938	127	BFP640F	3k	SP000015118	145
BDP948	4k	SP000010943	127	BFP650	3k	SP000013932	145
BDP949	1k	SP000010932	123	BFP650F	3k	SP000368489	145
BDP950	1k	SP000010939	127	BFP740	3k	SP000016424	145
BDP953	1k	SP000010934	123	BFP740F	3k	SP000055205	145
BDP954	1k	SP000010941	127	BFQ19S	1k	SP000011042	144
BF1005	3k	SP000010946	142	BFR106	3k	SP000011044	143
BF1005S	10k	SP000010952	142	BFR181 E6780	3k	SP000011049	143
BF1005S	3k	SP000010949	142	BFR181	3k	SP000011047	143
BF1005SR	3k	SP000010950	142	BFR181W	3k	SP000011050	143
BF1009S	3k	SP000010955	142	BFR182	3k	SP000011051	143
BF1009SR	3k	SP000010956	142	BFR182W	3k	SP000011053	143
BF2030 E6814	3k	SP000012219	142	BFR183	3k	SP000011054	143
BF2030R E6814	3k	SP000012220	142	BFR183W	3k	SP000011055	143
BF2030W E6814	3k	SP000012223	142	BFR193	3k	SP000011056	143
BF2040 E6814	3k	SP000012215	142	BFR193F	3k	SP000012976	143
BF2040R E6814	3k	SP000012216	142	BFR193L3	3k	SP000013557	143
BF2040W E6814	3k	SP000012226	142	BFR193W	3k	SP000011057	143

Summary of Types

Type		Ordering Code	Page	Type	Ordering Code	Page
BFR340F	15k	SP000012978	143	BSC030N04NS G	SP000354811	72
BFR340L3	15k	SP000013558	143	BSC035N04LS G	SP000391503	72
BFR35AP	3k	SP000011060	143	BSC042N03LS G	SP000302864	70
BFR360F	15k	SP000012979	143	BSC042N03MS G	SP000311512	70
BFR360L3	15k	SP000013560	143	BSC046N02KS G	SP000379666	70
BFR380F	15k	SP000012981	143	BSC050N03LS G	SP000269785	70
BFR380L3	15k	SP000013562	143	BSC050N03MS G	SP000311507	70
BFR460L3	15k	SP000014238	143	BSC050N04LS G	SP000354806	72
BFR705L3RH	15k	SP000252590	145	BSC054N04NS G	SP000354808	72
BFR740L3RH	15k	SP000252393	145	BSC057N03LS G	SP000275113	70
BFR750L3RH	15k	SP000252588	145	BSC057N03MS G	SP000311513	70
BFR92P	3k	SP000011062	143	BSC059N04LS G	SP000391499	72
BFR92W	3k	SP000011065	143	BSC072N03LD G	SP000359607	70
BFR93A	3k	SP000011066	143	BSC079N10NS G	SP000379590	75
BFR93AW	3k	SP000011071	143	BSC080N03LS G	SP000275114	70
BFR949L3	15k	SP000013563	143	BSC080N03MS G	SP000311514	70
BFS17P	10k	SP000011079	143	BSC080P03LS G	SP000359664	84
BFS17P	3k	SP000011073	143	BSC082N10LS G	SP000379609	75
BFS17S	3k	SP000011081	145	BSC090N03LS G	SP000275115	70
BFS17W	3k	SP000011082	143	BSC090N03MS G	SP000313120	70
BFS481	3k	SP000011084	145	BSC093N04LS G	SP000387929	72
BFS483	3k	SP000011086	145	BSC100N03LS G	SP000275117	70
BFY183 (ES)		SP000011422	145	BSC100N03MS G	SP000311515	70
BFY450 (H)		SP000011429	145	BSC100N10NSF G	SP000379595	75
BFY640 (ES)		SP000249361	145	BSC105N10LSF G	SP000388502	75
BFY640 (P)		SP000249360	145	BSC118N10NS G	SP000379599	75
BG3123	3k	SP000014846	142	BSC120N03LS G	SP000302848	71
BG3123R	3k	SP000015126	142	BSC120N03MS G	SP000311516	71
BG3130	3k	SP000013182	142	BSC123N10LS G	SP000379612	75
BG3130R	3k	SP000014450	142	BSC130P03LS G	SP000359666	84
BG3230	3k	SP000013594	142	BSC150N03LD G	SP000359362	71
BG3430R	3k	SP000240529	142	BSC152N10NSF G	SP000379601	75
BG5120K	3k	SP000292148	142	BSC159N10LSF G	SP000379614	75
BG5130R	3k	SP000101237	142	BSC196N10NS G	SP000379604	75
BGA416	3k	SP000013607	144	BSC200P03LS G	SP000359668	84
BGA420	3k	SP000011089	144	BSC205N10LS G	SP000379616	75
BGA427	3k	SP000011091	144	BSC252N10NSF G	SP000379608	75
BGA428	3k	SP000012971	144	BSC265N10LSF G	SP000379618	75
BGA612	3k	SP000013391	144	BSC750N10ND G	SP000359610	75
BGA614	3k	SP000013392	144	BSD223P L6327	SP000245417	84
BGA615L7	7.5k	SP000016766	144	BSF053N03LT G	SP000384536	70
BGA616	3k	SP000013393	144	BSF083N03LQ G	SP000384539	70
BGA622 E6820	3k	SP000202585	144	BSL202N L6327	SP000257782	70
BGA622L7	7.5k	SP000017535	144	BSL207SP	SP000095796	84
BGA734L16	7.5k	SP000293791	144	BSL211SP	SP000095797	84
BGH82M	7.5k	SP000065685	140	BSL302SN L6327	SP000257783	71
BGH92M	7.5k	SP000067493	140	BSL307SP L6327	SP000095798	84
BGX50 A (Bridge)	3k	SP000011092	117	BSO052N03S	SP000080998	71
BlueMoon™ UniStone Kit		SP000402286	22	BSO064N03S	SP000077646	71
PBA 31308 KIT				BSO072N03S	SP000077647	71
BSB019N03LX G		SP000384565	70	BSO080P03S	SP000014958	84
BSB053N03LP G		SP000384533	70	BSO094N03S	SP000077648	71
BSC014N03LS G		SP000394677	70	BSO104N03S	SP000077649	71
BSC014N03MS G		SP000394681	70	BSO119N03S	SP000077657	71
BSC016N03LS G		SP000237663	70	BSO130P03S	SP000014729	84
BSC016N03MS G		SP000311502	70	BSO150N03	SP000077687	71
BSC016N04LS G		SP000237663	72	BSO200N03	SP000104683	71
BSC017N04NS G		SP000394684	72	BSO200N03S	SP000077658	71
BSC018N04LS G		SP000388293	72	BSO200P03S	SP000014959	84
BSC019N02KS G		SP000307376	70	BSO201SP	SP000012578	84
BSC019N04NS G		SP000388299	72	BSO203P	SP000012572	84
BSC020N03LS G		SP000237662	70	BSO203SP	SP000012579	84
BSC020N03MS G		SP000311503	70	BSO204P	SP000013487	84
BSC025N03LS G		SP000269781	70	BSO207P	SP000012573	84
BSC025N03MS G		SP000311505	70	BSO211P	SP000012623	84
BSC026N02KS G		SP000379664	70	BSO300N03S	SP000077644	71
BSC027N04LS G		SP000354810	72	BSO301SP	SP000012583	84
BSC030N03LS G		SP000237661	70	BSO303P	SP000012622	84
BSC030N03MS G		SP000311506	70	BSO303SP	SP000014019	84



Summary of Types

Type		Ordering Code	Page	Type	Ordering Code	Page
BSO330N02K G		SP000380284	70	BSS119 L6327	SP000247290	76
BSO350N03		SP000080984	71	BSS119 L6433	SP000247291	76
BSO604NS2		SP000013128	65	BSS123 L6327	SP000084574	76
BSO612CV G		SP000216307	85	BSS123 L6433	SP000247292	76
BSO613SPV G		SP000216309	83	BSS126 L6327	SP000247303	85
BSO615C G		SP000216311	85	BSS126 L6906	SP000247304	85
BSO615N G		SP000216316	74	BSS127 L6327	SP000247305	80
BSP123 L6327		SP000089202	76	BSS131 L6327	SP000247293	76
BSP125 L6327		SP000089204	79	BSS138N L6327	SP000074207	74
BSP125 L6433		SP000089211	79	BSS138N L6433	SP000247294	74
BSP129 L6327		SP000089218	85	BSS138W L6327	SP000245411	74
BSP129 L6906		SP000089219	85	BSS138W L6433	SP000245412	74
BSP135 E6906		SP000055417	85	BSS139 L6327	SP000247295	85
BSP135 L6327		SP000089206	85	BSS139 L6906	SP000247296	85
BSP149 L6327		SP000089214	85	BSS159N L6327	SP000247297	85
BSP149 L6906		SP000089215	85	BSS159N L6906	SP000247298	85
BSP170P L6327		SP000089225	83	BSS169 L6327	SP000247299	85
BSP171P L6327		SP000089226	83	BSS169 L6906	SP000247300	85
BSP295 L6327		SP000089210	74	BSS192P L6327	SP000095795	83
BSP296 L6327		SP000089209	76	BSS209PW L6327	SP000245422	84
BSP296 L6433		SP000089212	76	BSS223PW L6327	SP000245423	84
BSP297 L6327		SP000089213	76	BSS225 L6327	SP000095776	80
BSP298 L6327		SP000088258	76	BSS670S2L L6327	SP000247301	73
BSP299 L6327		SP000089200	78	BSS7728N L6327	SP000247302	74
BSP300 L6327		SP000089201	81	BSS83P L6327	SP000247311	83
BSP315P L6327		SP000089221	83	BSS84P L6327	SP000082879	83
BSP316P L6327		SP000089222	83	BSS84P L6433	SP000247309	83
BSP317P L6327		SP000089220	83	BSS84PW L6327	SP000247312	83
BSP318S L6327		SP000235371	74	BSS87 L6327	SP000095794	76
BSP320S L6327		SP000235375	74	BSV236SP L6327	SP000245421	84
BSP320S L6433		SP000235376	74	BSZ035N03LS G	SP000278809	71
BSP321P L6327		SP000212228	83	BSZ035N03MS G	SP000311511	71
BSP322P L6327		SP000212229	83	BSZ040N04LS G	SP000388295	72
BSP324 L6327		SP000089203	76	BSZ042N04NS G	SP000388300	72
BSP372 L6327		SP000087064	76	BSZ050N03LS G	SP000304139	71
BSP373 L6327		SP000087065	75	BSZ050N03MS G	SP000311518	71
BSP452 E6327		SP000011123	98	BSZ058N03LS G	SP000307424	71
BSP50	1k	SP000011126	130	BSZ058N03MS G	SP000311508	71
BSP51	1k	SP000011127	130	BSZ088N03LS G	SP000304138	71
BSP52	1k	SP000011128	130	BSZ088N03MS G	SP000311509	71
BSP60	1k	SP000011131	130	BSZ097N04LS G	SP000388296	72
BSP60	4k	SP000011135	130	BSZ100N03LS G	SP000304135	71
BSP603S2L		SP000013597	65	BSZ100N03MS G	SP000311510	71
BSP61	1k	SP000011132	130	BSZ105N04NS G	SP000388301	72
BSP613P L6327		SP000089224	83	BSZ130N03LS G	SP000278810	71
BSP615S2L		SP000013181	65	BSZ130N03MS G	SP000313122	71
BSP62	1k	SP000011133	130	BSZ165N04NS G	SP000391523	72
BSP742R		SP000272115	98	BTM7700G	SP000306876	103
BSP742RI		SP000278925	98	BTM7710G	SP000306878	103
BSP742T		SP000311133	98	BTM7740G	SP000306879	103
BSP752R		SP000355392	98	BTM7741G	SP000306880	103
BSP752T		SP000278359	98	BTM7750G	SP000306881	103
BSP75N		SP000305171	96	BTM7751G	SP000306882	103
BSP75N E6327		SP000363420	96	BTN7930B	SP000299767	103
BSP76 E6327		SP000011146	96	BTN7930P	SP000314911	103
BSP76 E6433		SP000313257	96	BTN7930S	SP000355958	103
BSP762T		SP000272118	98	BTN7960B	SP000299768	103
BSP77 E6327		SP000011150	96	BTN7970B	SP000299769	103
BSP772T		SP000355395	98	BTN7970P	SP000355967	103
BSP78		SP000292892	96	BTN7970S	SP000355961	103
BSP78 E6327		SP000011155	96	BTS 824R	SP000013628	101
BSP88 L6327		SP000089217	76	BTS110	SP000011184	95
BSP89 L6327		SP000089216	76	BTS110 E3045A	SP000011183	95
BSP92P L6327		SP000089223	83	BTS112A	SP000011185	95
BSR202N L6327		SP000257784	70	BTS112A E3045A	SP000011186	95
BSR302N L6327		SP000257785	71	BTS113A	SP000011187	95
BSR315P L6327		SP000265405	83	BTS113A E3045A	SP000011188	95
BSR316P L6327		SP000265407	83	BTS113A E3064	SP000011189	95
BSR92P L6327		SP000265408	83	BTS114A	SP000011191	95

Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
BTS114A E3045A	SP000011192	95	BTS441RG	SP000013386	98
BTS115A	SP000011193	95	BTS441RS	SP000013384	98
BTS115A E3045A	SP000011194	95	BTS441T	SP000011258	98
BTS117	SP000011195	96	BTS441TG	SP000012295	98
BTS117 E3044A	SP000011198	96	BTS441TS	SP000011259	98
BTS117 E3045A	SP000011197	96	BTS443P	SP000012530	100
BTS118D	SP000011199	96	BTS443P	SP000264198	100
BTS118D	SP000292485	96	BTS452R	SP000012791	98
BTS121A	SP000011200	95	BTS452R	SP000272324	98
BTS121A E3045A	SP000011201	95	BTS452T	SP000012792	98
BTS129	SP000011202	95	BTS452T	SP000272325	98
BTS129 E3045A	SP000011203	95	BTS462T	SP000012191	98
BTS131	SP000011204	95	BTS4880R	SP000013302	98
BTS131 E3045A	SP000011206	95	BTS4880R	SP000276938	98
BTS132 E3045A	SP000011210	95	BTS50055-1TMA	SP000385906	100
BTS132 E3064	SP000011209	95	BTS50055-1TMB	SP000385907	100
BTS132 E3129	SP000011208	95	BTS50055-1TMC	SP000385908	100
BTS133	SP000011211	96	BTS50080-1TMA	SP000385909	100
BTS133 E3045A	SP000011213	96	BTS50080-1TMB	SP000385910	100
BTS133 E3064	SP000011212	96	BTS50085-1TMA	SP000385911	100
BTS134D	SP000011216	96	BTS50085-1TMB	SP000385912	100
BTS134D	SP000276446	96	BTS50090-1TMA	SP000385913	100
BTS141	SP000011218	96	BTS50090-1TMB	SP000385914	100
BTS141 E3045A	SP000011219	96	BTS5012SDA	SP000298620	100
BTS141 E3064	SP000011220	96	BTS5014SDA	SP000298621	100
BTS142D	SP000012175	96	BTS5016SDA	SP000298622	100
BTS142D	SP000292520	96	BTS5231-2GS	SP000281794	101
BTS149	SP000011221	96	BTS5235-2G	SP000281079	101
BTS149 E3045A	SP000011222	96	BTS5235-2L	SP000280715	101
BTS240A	SP000011223	95	BTS5236-2GS	SP000280717	101
BTS244Z	SP000012177	95	BTS5242-2L	SP000281082	101
BTS244Z E3043	SP000012178	95	BTS5246-2L	SP000281083	101
BTS244Z E3062A	SP000012180	95	BTS5434G	SP000014710	101
BTS247Z	SP000012184	95	BTS5440G	SP000014185	101
BTS247Z E3043	SP000012185	95	BTS5441G	SP000014644	101
BTS247Z E3062A	SP000012187	95	BTS550P E3146	SP000011264	100
BTS282Z	SP000012356	95	BTS555	SP000011266	100
BTS282Z E3180A	SP000012360	95	BTS555 E3146	SP000011265	100
BTS2S382Z E3230	SP000012357	95	BTS5566G	SP000255738	101
BTS3110N	SP000292896	96	BTS5576G	SP000255737	101
BTS3118D	SP000013725	96	BTS5590G	SP000306869	101
BTS3118D	SP000292875	96	BTS6133D	SP000014006	100
BTS3118N	SP000305173	96	BTS6133D	SP000274948	100
BTS3134D	SP000013759	96	BTS6142D	SP000074866	100
BTS3134D	SP000292883	96	BTS6143D	SP000013143	100
BTS3134N	SP000305174	96	BTS6143D	SP000264199	100
BTS3142D	SP000013760	96	BTS6163D	SP000013196	100
BTS3142D	SP000307117	96	BTS6163D	SP000264201	100
BTS3160D	SP000106963	96	BTS640S2G	SP000011284	99
BTS3205G	SP000237784	96	BTS711L1	SP000011298	101
BTS3207N	SP000294550	96	BTS712N1	SP000011300	101
BTS3405G	SP000237783	96	BTS716G	SP000013190	101
BTS3408G (Dual)	SP000014072	96	BTS716GB	SP000014327	101
BTS3410G (Dual)	SP000014334	96	BTS721L1	SP000011301	101
BTS3410G (Dual)	SP000305178	96	BTS724G	SP000013193	101
BTS3S407 E3062A	SP000011225	99	BTS730	SP000011308	100
BTS409L1 E3062A	SP000011232	99	BTS737S3	SP000014328	101
BTS410E2	SP000011233	99	BTS7700G	SP000012368	103
BTS410E2 E3043	SP000011234	99	BTS7710G	SP000012774	103
BTS410E2 E3062A	SP000011235	99	BTS7710GP	SP000012778	103
BTS410F2	SP000011236	99	BTS7740G	SP000012371	103
BTS410F2 E3062A	SP000016371	99	BTS7741G	SP000013912	103
BTS4140N	SP000013791	98	BTS7750G	SP000012779	103
BTS4141D	SP000013944	98	BTS7751G	SP000014077	103
BTS4141N	SP000013942	98	BTS7810K	SP000014521	103
BTS4142N	SP000013945	98	BTS7811K	SP000656445	103
BTS426L1 E3062A	SP000011244	99	BTS7930B	SP000238731	103
BTS428L2	SP000012188	99	BTS7960B	SP000014711	103
BTS436L2G	SP000011257	99	BTS7960P	SP000053907	103



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
BTS7970B	SP000102225	103	EASY 6992 K	SP000017944	20
BTS949	SP000012076	96	EASY 6993 F	on request	20
BTS949 E3043	SP000011325	96	EASY 6996 FC	on request	21
BTS949 E3062A	SP000012077	96	EASY 6996 HX CPU	SP000243629	21
BUP212	SP000011971	86	EASY 6996 I	on request	21
BUP212 E3045A	SP000013752	86	EASY 6996 I CPU	SP000084733	21
BUP213	SP000011326	86	EASY 6996 LC	SP000062346	21
BUP213 E3045A	SP000012387	86	EASY 6996 M	SP000062344	21
BUP311 D	SP000011954	86	EASY 6996 M CPU SIDE	on request	21
BUP313	SP000011327	86	EASY 6999	on request	21
BUP313 D	SP000011328	86	EASY 6999 U	on request	21
BUP314	SP000011329	86	EASY 7001 MII	on request	21
BUP314 D	SP000011330	86	EASY 8511	SP000067472	19
BUZ30A	SP000011336	76	EASY 8515	on request	19
BUZ30A L3045A	SP000102176	76	EASY 8668 F	SP000068129	19
BUZ31	SP000011341	76	EASY 983 B	SP000229528	19
BUZ31 E3046	SP000011344	76	EASY SDFE-4	SP000008101	9
BUZ31 L3045A	SP000102175	76	EASY UTAH	on request	18
BUZ31L	SP000011342	76	ESD0P8RFL	15k SP000362197	139
BUZ32	SP000011345	76	ESD1P0RFS	3k SP000260032	139
BUZ32 L3045A	SP000102174	76	ESD1P0RFW	3k SP000260031	139
BUZ73	SP000011372	76	ESD24VS2B	3k SP000316672	139
BUZ73 E3046	SP000011963	76	ESD24VS2U	3k SP000316684	139
BUZ73A	SP000011373	76	ESD5V0S1U-03W	3k SP000205608	139
BUZ73A E3046	SP000011962	76	ESD5V0S2U-06	3k SP000205610	139
BUZ73AL	SP000011375	76	ESD5V0S4US	3k SP000260036	139
BUZ73L	SP000011374	76	ESD5V0S5US	3k SP000205611	139
BXY44-T1 (ES)	SP000011438	137	ESD8V0L1B-02LRH	15k SP000235246	139
BXY44-T1 (P)	SP000011437	137	ESD8V0L1B-02LRH	50k SP000257037	139
			ESD8V0L2B-03L	15k SP000055122	139
			ESD8V0R1B-02LRH	15k SP000368384	139
			ESD8V0R1B-02LS	15k SP000368387	139
C			F		
CFX27-00 (ES)	SP000012381	144	FZL4146G	SP000011402	113
CFX32-00 (P)	SP000272069	144	FZL4146G	SP000087989	113
CFY67-08 (ES)	SP000011452	144			
CFY67-08 (P)	SP000011453	144			
DSL70	3k SP000362209	139			
E			I		
EASY 20525 V1.1	on request	11	ICB1FL02G	SP000204703	112
EASY 20532 V1.1	on request	11	ICE1PCS01	SP000014681	112
EASY 20542 V1.1	SP000007916	11	ICE1PCS01	SP000094396	112
EASY 21553	SP000007917	18	ICE1PCS01G	SP000014680	112
EASY 21653-Phone	SP000266142	18	ICE1PCS02	SP000056162	112
EASY 22504	on request	10	ICE1PCS02G	SP000056164	112
EASY 22508	on request	10	ICE1QS01	SP000014266	112
EASY 22552	SP000202849	10	ICE1QS01G	SP000081002	112
EASY 22554	SP000007919	10	ICE2A0565	SP000014233	111
EASY 22558	SP000053860	10	ICE2A0565Z	SP000014235	111
EASY 2256	on request	10	ICE2A165	SP000013769	111
EASY 24624	on request	9	ICE2A180Z	SP000014236	111
EASY 24624 TDM	on request	9	ICE2A265	SP000013503	111
EASY 24628 MII/UTOPIA	SP000089850	9	ICE2A280Z	SP000014237	111
EASY 256 E 1T1	SP000007945	11	ICE2A365	SP000013504	111
EASY 3265	SP000008002	14	ICE2A765P2	SP000014566	111
EASY 3268	SP000204383	14	ICE2B0565	SP000014234	111
EASY 334	SP000007929	12	ICE2B165	SP000013997	111
EASY 334	SP000007929	14	ICE2B265	SP000013998	111
EASY 3452	on request	10	ICE2B365	SP000013999	111
EASY 3460	on request	10	ICE2B765P2	SP000014701	111
EASY 4000-MRT	SP000276990	19	ICE2PCS01G	SP000094397	112
EASY 4010-VRT	SP000277027	19	ICE2PCS02	SP000094398	112
EASY 4220	on request	11	ICE2PCS02G	SP000094399	112
EASY 5120-RT	SP000017922	19	ICE2PCS03	SP000366372	112
EASY 5120-WVOIP RT	SP000017943	19	ICE2PCS03G	SP000366374	112
EASY 6992 C	SP000017946	20	ICE2PCS04	SP000366373	112
EASY 6992 F	SP000017947	20	ICE2PCS04G	SP000366375	112

Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
ICE2QS01	SP000269328	112	IDT04S60C	SP000080225	93
ICE3A0365	SP000015072	111	IDT05S60C	SP000096441	93
ICE3A0365P	SP000016982	111	IDT06S60C	SP000096442	93
ICE3A0565	SP000015073	111	IDT08S60C	SP000080226	94
ICE3A0565Z	SP000017044	111	IDT10S60C	SP000096443	94
ICE3A1065	SP000015074	111	IDT12S60C	SP000096444	94
ICE3A1065LJ	SP000205733	111	IDT16S60C	SP000080227	94
ICE3A1565	SP000015083	111	IDW100E60	SP000227825	92
ICE3A2065	SP000015082	111	IDW75E60	SP000227824	92
ICE3A2065P	SP000016984	111	IFX1117GS	SP000014584	108
ICE3A2065Z	SP000017045	111	IFX1117GS V33	SP000014585	108
ICE3A2565	SP000015075	111	IGA03N120H2	SP000215371	88
ICE3A3565P	SP000016980	111	IGA03N120H2 E8153	SP000215372	88
ICE3A5065P	SP000016978	111	IGB01N120H2	SP000014614	88
ICE3A5565P	SP000016976	111	IGB03N120H2	SP000014616	88
ICE3B0365	SP000014968	111	IGB15N60T	SP000054921	89
ICE3B0365J	SP000064720	111	IGB30N60T	SP000095765	89
ICE3B0365JG	SP000078899	111	IGB50N60T	SP000054922	89
ICE3B0565	SP000014967	111	IGD01N120H2	SP000014523	88
ICE3B0565J	SP000064685	111	IGD06N60T	SP000233590	89
ICE3B0565JG	SP000077217	111	IGP01N120H2	SP000014615	88
ICE3B1065	SP000015076	111	IGP03N120H2	SP000014617	88
ICE3B1565	SP000015081	111	IGP06N60T	SP000095766	89
ICE3B1565J	SP000098876	111	IGP10N60T	SP000016446	89
ICE3B2065	SP000015080	111	IGP15N60T	SP000095767	89
ICE3B2065J	SP000390355	111	IGP30N60T	SP000054923	89
ICE3B2065P	SP000016809	111	IGP50N60T	SP000054924	89
ICE3B2565	SP000015077	111	IGW 08T120	SP000013937	89
ICE3B3565P	SP000016813	111	IGW03N120H2	SP000014182	88
ICE3B5065P	SP000016815	111	IGW15T120	SP000013888	89
ICE3BR4765J	SP000358120	111	IGW25T120	SP000013887	89
IDB04E120	SP000013639	92	IGW30N60T	SP000054925	89
IDB06E60	SP000014039	92	IGW40T120	SP000013886	89
IDB09E120	SP000013918	92	IGW50N60T	SP000054926	89
IDB09E60	SP000013914	92	IGW60T120	SP000013906	89
IDB12E120	SP000013640	92	IGW75N60T	SP000054927	89
IDB15E60	SP000014044	92	IHP10T120	SP000014951	90
IDB18E120	SP000013919	92	IHW15N120R	SP000080229	91
IDB23E60	SP000278566	92	IHW15N120R2	SP000212014	91
IDB30E120	SP000013641	92	IHW15T120	SP000014892	90
IDB30E60	SP000013917	92	IHW20N120R	SP000076323	91
IDB45E60	SP000013635	92	IHW20N120R2	SP000212015	91
IDD03E60	SP000013632	92	IHW20T120	SP000014881	90
IDD04S60C	SP000080224	93	IHW25N120R2	SP000212016	91
IDD06E60	SP000013633	92	IHW30N100R	SP000212224	90
IDD06E60	SP000077586	92	IHW30N100T	SP000086713	90
IDD09E60	SP000013634	92	IHW30N120R	SP000076324	91
IDD15E60	SP000013915	92	IHW30N120R2	SP000212017	91
IDD15E60	SP000077587	92	IHW30N160R2	SP000273701	91
IDD23E60	SP000013916	92	IHW30N60T	SP000076306	90
IDD23E60	SP000077588	92	IHW30N90R	SP000209140	90
IDH04E120	SP000236986	92	IHW30N90T	SP000076322	90
IDH09E120	SP000236987	92	IHW40N60T	SP000076321	90
IDH12E120	SP000236988	92	IHW40T120	SP000014893	90
IDH18E120	SP000236989	92	IKA03N120H2	SP000215373	88
IDH30E120	SP000236990	92	IKA03N120H2 E8153	SP000215374	88
IDP04E120	SP000013798	92	IKA06N60T	SP000215375	89
IDP06E60	SP000014040	92	IKA10N60T	SP000215376	89
IDP09E120	SP000014041	92	IKA15N60T	SP000215377	89
IDP09E60	SP000014043	92	IKB01N120H2	SP000014271	88
IDP12E120	SP000013799	92	IKB03N120H2	SP000014272	88
IDP15E60	SP000014045	92	IKB06N60T	SP000014954	89
IDP18E120	SP000014042	92	IKB10N60T	SP000014833	89
IDP23E60	SP000014047	92	IKB15N60T	SP000054882	89
IDP30E120	SP000013800	92	IKB20N60T	SP000054883	89
IDP30E60	SP000014048	92	IKP01N120H2	SP000014179	88
IDP45E60	SP000013797	92	IKP03N120H2	SP000014180	88
IDT02S60C	SP000274984	93	IKP04N60T	SP000054884	89
IDT03S60C	SP000274985	93	IKP06N60T	SP000014953	89



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
IKP10N60T	SP000014753	89	IPB075N04L G	SP000387943	73
IKP15N60T	SP000095768	89	IPB080N03L G	SP000304104	71
IKP20N60T	SP000054885	90	IPB080N06N G	SP000204174	73
IKS12F60AA	SP000261241	89	IPB085N06L G	SP000204190	73
IKS22F60AA	SP000261245	89	IPB08CN10N G	SP000096448	75
IKW03N120H2	SP000014181	88	IPB091N06N G	SP000204192	73
IKW08T120	SP000013885	90	IPB093N04L G	SP000387937	73
IKW15T120	SP000013938	90	IPB096N03L G	SP000254711	71
IKW15T120 E8161	SP000237272	90	IPB09N03LA G	SP000068859	70
IKW15T120T2	SP000244961	90	IPB100N04S2-04	SP000219061	64
IKW20N60T	SP000054886	90	IPB100N04S2L-03	SP000219065	64
IKW20N60T E8161	SP000237273	90	IPB100N04S3-03	SP000260847	64
IKW25T120	SP000013939	90	IPB100N06S2-05	SP000218874	65
IKW25T120T2	SP000244960	90	IPB100N06S2L-05	SP000219003	65
IKW30N60T	SP000054887	90	IPB100N06S3-03	SP000087982	65
IKW40T120	SP000013940	90	IPB100N06S3-04	SP000102220	65
IKW40T120T2	SP000244962	90	IPB100N06S3L-03	SP000087978	65
IKW50N60T	SP000054888	90	IPB100N06S3L-04	SP000102219	65
IKW75N60T	SP000054889	90	IPB100N08S2-07	SP000219044	68
ILD03N60	SP000014338	88	IPB100N08S2L-07	SP000219053	68
ILD03N60	SP000077615	88	IPB100P03P3L-04	SP000297635	69
IPA50R140CP	SP000234988	77	IPB110N06L G	SP000204193	73
IPA50R199CP	SP000236081	77	IPB114N03L G	SP000304102	71
IPA50R250CP	SP000236080	77	IPB11N03LA G	SP000103306	70
IPA50R299CP	SP000236079	77	IPB120N04S3-02	SP000261216	64
IPA50R350CP	SP000236078	77	IPB120N06N G	SP000204176	73
IPA50R399CP	SP000234987	77	IPB12CN10N G	SP000096450	75
IPA50R520CP	SP000236076	77	IPB147N03L G	SP000254712	71
IPA60R125CP	SP000095275	78	IPB14N03LA G	SP000085264	70
IPA60R165CP	SP000096437	78	IPB160N04S2-03	SP000218151	64
IPA60R199CP	SP000094146	78	IPB160N04S2L-03	SP000218153	64
IPA60R250CP	SP000310226	78	IPB160N04S3-02	SP000254818	64
IPA60R299CP	SP000096438	78	IPB16CN10N G	SP000096452	75
IPA60R385CP	SP000089316	78	IPB180N04S3-02	SP000254821	64
IPA90R1K0C3	SP000413712	82	IPB22N03S4L-15	SP000275308	63
IPA90R1K2C3	on request	82	IPB25N06S3-25	SP000088000	66
IPA90R340C3	on request	82	IPB25N06S3L-22	SP000087994	65
IPA90R500C3	SP000413716	82	IPB26CN10N G	SP000277692	75
IPA90R800C3	SP000413718	82	IPB34CN10N G	SP000277693	75
IPB009N03L G	SP000394657	71	IPB45N06S3-16	SP000102224	65
IPB011N04L G	SP000391498	73	IPB45N06S3L-13	SP000102223	65
IPB011N04N G	SP000388298	73	IPB47N10S-33	SP000225702	69
IPB020N04N G	SP000359157	73	IPB47N10SL-26	SP000225701	69
IPB022N04L G	SP000391497	73	IPB50CN10N G	SP000277696	75
IPB022N08N3 G	on request	74	IPB50R140CP	SP000212746	77
IPB023N04N G	SP000391519	73	IPB50R199CP	SP000236092	77
IPB025N08N3 G	SP000311980	74	IPB50R250CP	SP000236093	77
IPB034N03L G	SP000304126	71	IPB50R299CP	SP000236094	77
IPB034N06L3 G	SP000398062	73	IPB60R099CP	SP000088490	78
IPB037N06N G	SP000397986	73	IPB60R125CP	SP000297368	78
IPB039N04L G	SP000391495	73	IPB60R165CP	SP000096439	78
IPB03N03LA G	SP000087858	70	IPB60R199CP	SP000223256	78
IPB041N04N G	SP000391511	73	IPB60R250CP	SP000358140	78
IPB042N03L G	SP000304124	71	IPB60R299CP	SP000301161	78
IPB048N06L G	SP000204181	73	IPB60R385CP	SP000228365	78
IPB04CN10N G	SP000311986	75	IPB70N04S3-07	SP000279556	64
IPB04N03LA G	SP000103302	70	IPB70N10SL-16	SP000225700	69
IPB050N06N G	SP000204170	73	IPB77N06S2-12	SP000218173	65
IPB052N04N G	SP000391505	73	IPB77N06S3-09	SP000088715	65
IPB054N08N3 G	SP000395166	74	IPB77N06S3-09	SP000088715	65
IPB055N03L G	SP000304110	71	IPB79CN10N G	SP000277697	75
IPB05CN10N G	SP000096440	75	IPB80N03S4L-02	SP000273282	63
IPB05N03LA G	SP000068872	70	IPB80N03S4L-03	SP000274982	63
IPB065N03L G	SP000254709	71	IPB80N04S2-04	SP000218154	64
IPB065N06L G	SP000204183	73	IPB80N04S2-H4	SP000218165	64
IPB06CN10N G	SP000096446	75	IPB80N04S2L-03	SP000220158	64
IPB06N03LA G	SP000068850	70	IPB80N04S3-03	SP000260848	64
IPB070N06L G	SP000204172	73	IPB80N04S3-04	SP000261217	64
IPB070N06N G	SP000204187	73	IPB80N04S3-06	SP000254822	64

Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
IPB80N06S2-05	SP000218877	65	IPD50N06S3-07	SP000264472	66
IPB80N06S2-07	SP000218818	65	IPD50N06S3-09	SP000264474	66
IPB80N06S2-08	SP000218830	65	IPD50N06S3-15	SP000264476	66
IPB80N06S2-09	SP000218741	65	IPD50N06S3L-06	SP000264471	66
IPB80N06S2-H5	SP000218162	65	IPD50N06S3L-08	SP000362090	66
IPB80N06S2L-05	SP000219004	65	IPD50N06S3L-13	SP000273279	66
IPB80N06S2L-06	SP000218163	65	IPD50R399CP	SP000234984	77
IPB80N06S2L-07	SP000218867	65	IPD50R520CP	SP000236063	77
IPB80N06S2L-09	SP000218743	65	IPD60R385CP	SP000062533	79
IPB80N06S2L-11	SP000218177	65	IPD640N06L G	SP000203939	73
IPB80N06S2L-H5	SP000219068	65	IPD64CN10N G	SP000104810	75
IPB80N06S3-05	SP000102222	65	IPD70N03S4L-04	SP000274986	63
IPB80N06S3-07	SP000088065	65	IPD70N04S3-07	SP000261221	64
IPB80N06S3L-05	SP000102221	65	IPD78CN10N G	SP000096460	75
IPB80N06S3L-06	SP000088004	65	IPD800N06N G	SP000204179	73
IPB80N06S3L-08	SP000088128	65	IPD80N04S3-06	SP000261220	64
IPB80N08S2-07	SP000219048	68	IPD80N06S3-09	SP000264473	66
IPB80N08S2L-07	SP000219051	68	IPD90N03S4L-02	SP000273284	63
IPBH6N03LA G	SP000080228	70	IPD90N03S4L-03	SP000274978	63
IPD031N03L G	SP000236957	71	IPD90N04S3-04	SP000261222	64
IPD031N03M G	SP000313126	71	IPD90N06S3-06	SP000264470	66
IPD036N04L G	SP000387945	73	IPD90N06S3L-05	SP000264468	66
IPD037N06N3 G	on request	73	IPD90N06S3L-07	SP000361535	66
IPD038N04N G	SP000391507	73	IPD90R1K2C3	SP000413720	82
IPD040N03L G	SP000254715	71	IPI 70N10SL-16	SP000225705	69
IPD050N03L G	SP000254716	71	IPI028N08N3 G	SP000395160	74
IPD053N08N3 G	SP000395183	74	IPI037N06L3 G	SP000397910	74
IPD060N03L G	SP000236948	71	IPI040N06N3 G	SP000398038	74
IPD075N03L G	SP000249747	71	IPI04CN10N G	SP000398084	75
IPD088N04L G	SP000354798	73	IPI057N08N3 G	SP000395182	74
IPD090N03L G	SP000236950	71	IPI05CN10N G	SP000208922	75
IPD105N03L G	SP000254717	71	IPI06CN10N G	SP000208924	75
IPD105N04L G	SP000354796	73	IPI070N06N G	SP000208612	74
IPD127N06L G	SP000204177	73	IPI08CN10N G	SP000208926	75
IPD12CN10N G	SP000096476	75	IPI100N04S3-03	SP000261223	64
IPD135N03L G	SP000236951	71	IPI100N06S3-03	SP000087992	66
IPD144N06N G	SP000203941	73	IPI100N06S3-04	SP000102210	66
IPD14N06S2-80	SP000252161	66	IPI100N06S3L-03	SP000087979	66
IPD15N06S2L-64	SP000252162	66	IPI100N06S3L-04	SP000102211	66
IPD160N04L G	SP000387933	73	IPI100N08S2-07	SP000219041	68
IPD16CN10N G	SP000096454	75	IPI100P03P3L-04	SP000311117	69
IPD170N04N G	SP000388297	73	IPI120N04S3-02	SP000261225	64
IPD22N08S2L-50	SP000252163	68	IPI12CN10N G	SP000208928	75
IPD230N06L G	SP000204195	73	IPI16CN10N G	SP000208930	75
IPD230N06N G	SP000204196	73	IPI22N03S4L-15	SP000277016	63
IPD25CN10N G	SP000096456	75	IPI25N06S3-25	SP000087997	66
IPD25N06S2-40	SP000252164	66	IPI25N06S3L-22	SP000087996	66
IPD26N06S2L-35	SP000252165	66	IPI26CN10N G	SP000208932	75
IPD30N03S2L-07	SP000254463	63	IPI35CN10N G	SP000208936	75
IPD30N03S2L-10	SP000254465	63	IPI45N06S3-16	SP000102217	66
IPD30N03S2L-20	SP000254466	63	IPI45N06S3L-13	SP000102216	66
IPD30N03S4L-14	SP000275919	63	IPI47N10S-33	SP000225703	69
IPD30N06S2-15	SP000252160	66	IPI47N10SL-26	SP000225704	69
IPD30N06S2-23	SP000252166	66	IPI50CN10N G	SP000208937	75
IPD30N06S2L-13	SP000252167	66	IPI50R350CP	SP000236084	77
IPD30N06S2L-23	SP000252168	66	IPI50R399CP	SP000259979	77
IPD30N06S3-24	SP000264477	66	IPI60R099CP	SP000297356	79
IPD30N06S3L-20	SP000241692	66	IPI60R125CP	SP000297355	79
IPD30N08S2-22	SP000252169	68	IPI60R165CP	SP000276736	79
IPD30N08S2L-21	SP000252170	68	IPI60R199CP	SP000103248	79
IPD33CN10N G	SP000096458	75	IPI60R250CP	SP000358141	79
IPD350N06L G	SP000204197	73	IPI60R299CP	SP000103249	79
IPD400N06N G	SP000203938	73	IPI60R385CP	SP000103250	79
IPD49CN10N G	SP000096459	75	IPI70N04S3-03	SP000279551	64
IPD50N03S2-07	SP000254462	63	IPI77N06S3-09	SP000088716	66
IPD50N03S2L-06	SP000254461	63	IPI80CN10N G	SP000208938	75
IPD50N04S3-08	SP000261218	64	IPI80N03S4L-03	SP000273285	63
IPD50N06S2-14	SP000252171	66	IPI80N03S4L-04	SP000274983	63
IPD50N06S2L-13	SP000252172	66	IPI80N04S2-04	SP000219058	64



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
IPI80N04S2-H4	SP000218171	64	IPP47N10S-33	SP000225706	69
IPI80N04S3-03	SP000261238	64	IPP47N10SL-26	SP000225707	69
IPI80N04S3-04	SP000261226	64	IPP50CN10N G	SP000096474	76
IPI80N04S3-06	SP000261237	64	IPP50R140CP	SP000234986	77
IPI80N06S2-07	SP000218817	66	IPP50R199CP	SP000236074	77
IPI80N06S2-08	SP000218828	66	IPP50R250CP	SP000236071	77
IPI80N06S2L-05	SP000219002	66	IPP50R299CP	SP000236070	77
IPI80N06S2L-11	SP000218176	66	IPP50R350CP	SP000236069	77
IPI80N06S3-05	SP000102214	66	IPP50R399CP	SP000234985	77
IPI80N06S3-07	SP000088064	66	IPP50R520CP	SP000236068	77
IPI80N06S3L-05	SP000102204	66	IPP60R099CP	SP000057021	79
IPI80N06S3L-06	SP000088002	66	IPP60R125CP	SP000088488	79
IPI80N06S3L-08	SP000088131	66	IPP60R165CP	SP000084279	79
IPI80N08S2-07	SP000219043	68	IPP60R199CP	SP000084278	79
IPI90R1K0C3	SP000413722	82	IPP60R250CP	SP000358136	79
IPI90R1K2C3	on request	82	IPP60R299CP	SP000084280	79
IPI90R500C3	SP000413728	82	IPP60R385CP	SP000082281	79
IPI90R800C3	SP000413730	82	IPP70N04S3-03	SP000279559	64
IPP028N08N3 G	SP000311978	74	IPP70N10SL-16	SP000225708	69
IPP034N03L G	SP000237660	72	IPP77N06S2-12	SP000218172	67
IPP037N06L3 G	SP000398072	74	IPP77N06S3-09	SP000088717	67
IPP040N06N3 G	SP000398032	74	IPP80CN10N G	SP000096475	76
IPP042N03L G	SP000256161	72	IPP80N03S4L-03	SP000275328	63
IPP048N06L G	SP000204180	74	IPP80N03S4L-04	SP000274981	63
IPP04CN10N G	SP000311499	75	IPP80N04S2-H4	SP000218169	64
IPP050N06N G	SP000204169	74	IPP80N04S2L-03	SP000219063	64
IPP055N03L G	SP000266314	72	IPP80N04S3-03	SP000261229	64
IPP057N08N3 G	SP000395165	74	IPP80N04S3-04	SP000261230	64
IPP05CN10L G	SP000308801	75	IPP80N04S3-06	SP000261233	64
IPP05CN10N G	SP000096461	75	IPP80N06S2-05	SP000218873	67
IPP065N03L G	SP000254736	72	IPP80N06S2-07	SP000218810	67
IPP065N06L G	SP000204182	74	IPP80N06S2-08	SP000218826	67
IPP06CN10L G	SP000308789	75	IPP80N06S2-09	SP000218740	67
IPP06CN10N G	SP000096463	75	IPP80N06S2-H5	SP000218155	67
IPP070N06L G	SP000204171	74	IPP80N06S2L-05	SP000219000	67
IPP070N06N G	SP000204186	74	IPP80N06S2L-06	SP000218824	67
IPP080N03L G	SP000264166	72	IPP80N06S2L-07	SP000218831	67
IPP080N06N G	SP000204173	74	IPP80N06S2L-09	SP000218742	67
IPP085N06L G	SP000204188	74	IPP80N06S2L-11	SP000218175	67
IPP08CN10L G	SP000308791	75	IPP80N06S2L-H5	SP000219067	67
IPP08CN10N G	SP000096465	75	IPP80N06S3-05	SP000102213	67
IPP091N06N G	SP000204191	74	IPP80N06S3-07	SP000088067	67
IPP096N03L G	SP000254737	72	IPP80N06S3L-05	SP000102206	67
IPP100N04S2L-03	SP000219062	64	IPP80N06S3L-06	SP000088006	67
IPP100N04S3-03	SP000261227	64	IPP80N06S3L-08	SP000088127	67
IPP100N06S2L-05	SP000218879	66	IPP80N08S2-07	SP000219040	68
IPP100N06S3-03	SP000087980	66	IPP80N08S2L-07	SP000219050	68
IPP100N06S3-04	SP000102212	66	IPP90R1K0C3	SP000413744	82
IPP100N06S3L-03	SP000087977	66	IPP90R1K2C3	SP000411302	82
IPP100N06S3L-04	SP000102209	66	IPP90R340C3	SP000411304	82
IPP100N08S2-07	SP000219005	68	IPP90R500C3	SP000413746	82
IPP100N08S2L-07	SP000219052	68	IPP90R800C3	SP000413748	82
IPP100P03P3L-04	SP000311114	69	IPS031N03L G	SP000256160	72
IPP110N06L G	SP000204194	74	IPS040N03L G	SP000256159	72
IPP114N03L G	SP000264168	72	IPS050N03L G	SP000264170	72
IPP120N04S3-02	SP000261228	64	IPS060N03L G	SP000252576	72
IPP12CN10L G	SP000308792	76	IPS075N03L G	SP000264171	72
IPP12CN10N G	SP000096468	76	IPS090N03L G	SP000252578	72
IPP147N03L G	SP000266315	72	IPS105N03L G	SP000264172	72
IPP16CN10L G	SP000308793	76	IPS135N03L G	SP000257455	72
IPP16CN10N G	SP000096469	76	IPS50R520CP	SP000236067	77
IPP20N06N G	SP000204175	74	IPU039N03L G	SP000256162	72
IPP22N03S4L-15	SP000275290	63	IPU050N03L G	SP000271468	72
IPP25N06S3-25	SP000088001	67	IPU060N03L G	SP000260749	72
IPP25N06S3L-22	SP000087993	67	IPU075N03L G	SP000271467	72
IPP26CN10N G	SP000096471	76	IPU090N03L G	SP000260751	72
IPP35CN10N G	SP000096473	76	IPU105N03L G	SP000271466	72
IPP45N06S3-16	SP000102218	67	IPU135N03L G	SP000260752	72
IPP45N06S3L-13	SP000102215	67	IPW50R140CP	SP000234989	78

Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page	
PEF 20532 F V1.3	SP000007511	11	PEF 4265-2 V T V2.1	SP000206901	13	
PEF 2054 N V2.1	SP000075438	17	PEF 4265-2 V V2.1	SP000102911	13	
PEF 2054 F V2.1	SP000057916	17	PEF 4268 F V1.2	SP000211403	13	
PEF 20542 F V1.3	SP000007634	11	PEF 4268 F V1.2	SP0000063679	13	
PEF 2055 N V2.1	SP000075706	17	PEF 4268 T V1.2	SP0000063678	13	
PEF 2055 N V2.1	SP000075707	17	PEF 4364 T V2.1	SP000234983	14	
PEF 20550 H V2.1	SP000007795	17	PEF 4365 T V2.1	SP0000099015	14	
PEF 20550 H V2.1	SP000007794	17	PEF 80902 H V1.1	SP000007563	17	
PEF 20571 F V3.1	SP000008000	16	PEF 80902 H V1.1	SP000007562	17	
PEF 21624 E V2.2-G	SP000354553	9	PEF 80912 H V1.4	SP000007554	17	
PEF 21627 E V1.2-G	SP000354551	9	PEF 80912 H V1.4	SP000007553	17	
PEF 21628 E V1.2-G	SP000355512	9	PEF 80912 H V1.4	SP000007555	17	
PEF 22504 E V2.1-G	SP000081770	10	PEF 82902 F V1.1	SP000007565	17	
PEF 22504 HT V2.1	SP000209867	10	PEF 82902 F V1.1	SP000007566	17	
PEF 22505 E V2.1-G	SP000205603	10	PEF 82912 F V1.4	SP000007558	17	
PEF 22505 HT V2.1	SP000227939	10	PEF 82912 F V1.4	SP000007559	17	
PEF 22508 E V1.1-G	SP000029953	10	PMA7110	on request	151	
PEF 22509 E V1.1-G	SP000205606	10	PSB 21150 F V1.4	SP000007575	15	
PEF 22552 E V1.1-G	SP000065628	10	PSB 21150 F V1.4	SP000007577	15	
PEF 22554 E V3.1-G	SP000074240	10	PSB 21150 H V1.4	SP000007578	15	
PEF 22554 HT V3.1	SP000208945	10	PSB 21382 H V1.3	SP000007373	18	
PEF 22554 HT V3.1	SP000064070	10	PSB 21383 H V1.3	SP000007532	18	
PEF 22557 E V1.1-G	SP000055478	10	PSB 21383 H V1.3	SP000007531	18	
PEF 22558 E V1.1-G	SP000008139	10	PSB 21384 H V1.3	SP000007374	18	
PEF 2256 E V2.2-G	SP000057074	10	PSB 21384 H V1.3	SP000007375	18	
PEF 2256 H V2.2	SP000057075	10	PSB 21391 H V1.3	SP000007376	18	
PEF 22624 E V2.2-G	SP000354549	9	PSB 21391 H V1.3	SP000007377	18	
PEF 22627 E V1.2-G	SP000355514	9	PSB 21393 H V1.3	SP000007533	18	
PEF 22628 E V1.2-G	SP000355518	9	PSB 21393 H V1.3	SP000007534	18	
PEF 22827 EL V1.1-G	SP000008144	9	PSB 21493 F V1.7	SP000007997	18	
PEF 2426 H V1.1 D	SP000007497	17	PSB 21493 H V1.7	SP000007996	18	
PEF 2426 H V1.1 GD	SP000007499	17	PSB 21521 E V1.4-G	SP000226522	18	
PEF 24624 E V2.2-G	SP000354548	9	PSB 21553 E V1.4-G	SP000017644	18	
PEF 24625 E V1.2-G	SP000054060	9	PSB 21553 E V1.4-G	SP0000056178	18	
PEF 24625 E V1.2-G	SP000223349	9	PSB 21653 E V1.4-G	SP000278555	18	
PEF 24627 E V1.1-G	SP000208962	9	PSB 21653 EL V1.5-G	SP000310430	18	
PEF 24628 E V1.2-G	SP000355527	9	PSB 3186 F V1.4	SP000007585	15	
PEF 24901 H V2.2	SP000007535	16	PSB 3186 F V1.4	SP000007586	15	
PEF 24901 H V2.2	SP000007536	16	PSB 3186 H V1.4	SP000007610	15	
PEF 24902 H V2.1	SP000007489	16	PSB 6970 HL V1.2	SP000316261	20	
PEF 24902 H V2.1	SP000007490	16	PSB 6970 HL V1.2	SP000275269	20	
PEF 24902 H V2.1	SP000007491	16	PSB 6972 HL V1.2	SP000315555	20	
PEF 24911 H V2.2	SP000008078	16	PSB 6972 HL V1.2	SP000275270	20	
PEF 24911 H V2.2	SP000008079	16	PSB 6973 EL V1.2-G	SP000312367	20	
PEF 3304 E V2.1-G	SP000053495	13	PSB 6973 EL V1.2-G	SP000275271	20	
PEF 3304 EL V2.1-G	SP000223348	13	PSF 21150 F V1.4	SP000007576	15	
PEF 3304 EL V2.1-G	SP000054559	13	PSF 6973 EL V1.2	SP000315557	20	
PEF 3304 HL V2.1	SP000053496	13	PSF 6973 EL V1.2	SP000275272	20	
PEF 3314 E V2.2-G	SP000068753	12	PXB 4000 E V1.3-G	SP000278563	19	
PEF 3314 HL V2.2	SP000018270	12	PXB 4000 E V1.3-G	SP000236852	19	
PEF 3331 F V2.2	SP000236916	12	PXB 4010 E V1.3-G	SP000278562	19	
PEF 3331 HT V2.2	SP000236914	12	PXB 4010 E V1.3-G	SP000236851	19	
PEF 3332 F V2.2	SP000236915	12	PXB 4220 E V3.4-G	SP000017873	11	
PEF 3332 HT V2.2	SP000236913	12	PXB 4221 E V3.4-G	SP000017875	11	
PEF 33322 EL V2.2-G	SP000376873	12	PXF 4222 E V1.3-G	SP000017876	11	
PEF 3394 E V2.2-G	SP000068756	12	PXF 4225 E V1.3-G	SP000017877	11	
PEF 3394 EL V2.2-G	SP000212320	13	PZTA14	1k	SP000010688	130
PEF 3394 EL V2.2-G	SP000053927	13	PZTA42	1k	SP000014780	131
PEF 3394 HL V2.2	SP000231959	13	PZTA92	4k	SP000011009	131
PEF 3394 HL V2.2	SP000018278	13				
PEF 3452 H V1.3	SP000243340	10				
PEF 3452 H V1.3	SP000007643	10				
PEF 3460 E V1.2-G	SP000088005	10				
PEF 4264 T V2.1	SP000231489	13	S			
PEF 4264 V V2.1	SP000231488	13	SAA-XC866-2FRA BE-Step	SP000281789	52	
PEF 4264-2 T V2.1	SP000231490	13	SAA-XC866-4FRA BE-Step	SP000281792	52	
PEF 4264-2 V V2.1	SP000231405	13	SAA-XC866L-2FRA BE-Step	SP000281790	53	
PEF 4265 T V2.1	SP000101234	13	SAA-XC866L-4FRA BE-Step	SP000281793	53	
PEF 4265 V V2.1	SP000101233	13	SAB-C161CS-LF CA-Step	SP000106860	28	
			SAB-C161CS-LF CA-Step	SP000106861	28	

Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
SAB-C161JC-LF CA-Step	SP000106862	28	SAF-C161PI-LM3V CA-Step	SP000014366	29
SAB-C161JC-LF CA-Step	SP000106863	28	SAF-C161S-L25M AA-Step	SP000014947	29
SAB-C161JI-LF CA-Step	SP000106864	28	SAF-C161S-LM3V AA-Step	SP000014948	29
SAB-C161K-LM HA-Step	SP000011584	28	SAF-C164CI-8E25M DB-Step	SP000057427	31
SAB-C161K-LM HA-Step	SP000011585	28	SAF-C164CI-8E25M DB-Step	SP000104053	31
SAB-C161O-L25M HA-Step	SP000014268	28	SAF-C164CI-8E25M DB-Step	SP000057428	31
SAB-C161O-LM HA-Step	SP000011586	28	SAF-C164CI-8E25M DB-Step	SP000104054	31
SAB-C161O-LM HA-Step	SP000011587	28	SAF-C164CI-8E28M DB-Step	SP000106781	31
SAB-C161O-LM3V HA-Step	SP000011588	28	SAF-C164CI-8EM CB-Step	SP000067718	31
SAB-C161PI-L25F CA-Step	SP000014362	29	SAF-C164CI-8EM CB-Step	SP000103498	31
SAB-C161PI-L25M CA-Step	SP000014367	29	SAF-C164CI-8EM CB-Step	SP000067719	31
SAB-C161PI-LF CA-Step	SP000014344	29	SAF-C164CI-8EM CB-Step	SP000103499	31
SAB-C161PI-LF3V CA-Step	SP000014360	29	SAF-C164CI-8EM DB-Step	SP000057429	31
SAB-C161PI-LM CA-Step	SP000014345	29	SAF-C164CI-8EM DB-Step	SP000104055	31
SAB-C161PI-LM3V CA-Step	SP000014365	29	SAF-C164CI-8EM DB-Step	SP000057430	31
SAB-C161S-L25M AA-Step	SP000014739	29	SAF-C164CI-8EM DB-Step	SP000104056	31
SAB-C161S-LM3V AA-Step	SP000014946	29	SAF-C164CI-L25M CA-Step	SP000014436	31
SAB-C164CI-LM3V CA+-Step	SP000014439	31	SAF-C164CI-LM CA+-Step	SP000017582	31
SAB-C165-L25F HA-Step	SP000011591	44	SAF-C164CI-LM CA+-Step	SP000103495	31
SAB-C165-L25F HA-Step	SP000011592	44	SAF-C164CM-4EF AB-Step	SP000104061	32
SAB-C165-L25M HA-Step	SP000011593	44	SAF-C164CM-4EF AB-Step	SP000104062	32
SAB-C165-L25M HA-Step	SP000011594	44	SAF-C165-L25F HA-Step	SP000012870	44
SAB-C165-LF HA-Step	SP000011595	44	SAF-C165-L25M HA-Step	SP000011629	44
SAB-C165-LF HA-Step	SP000011596	44	SAF-C165-L25M HA-Step	SP000011630	44
SAB-C165-LF3V HA-Step	SP000011597	44	SAF-C165-LF HA-Step	SP000011631	44
SAB-C165-LM HA-Step	SP000011598	44	SAF-C165-LF3V HA-Step	SP000011632	44
SAB-C165-LM HA-Step	SP000011599	44	SAF-C165-LM HA-Step	SP000011633	44
SAB-C165-LM3V HA-Step	SP000011600	44	SAF-C165-LM HA-Step	SP000011634	44
SAB-C167CR-16RM HA+-Step	SP000083849	45	SAF-C165-LM3V HA-Step	SP000011635	44
SAB-C167CR-LM HA+-Step	SP000017976	45	SAF-C167CR-LM HA+-Step	SP000016759	45
SAB-C167CR-LM HA+-Step	SP000103462	45	SAF-C167CR-LM HA+-Step	SP000103464	45
SAB-C167CR-LM HA+-Step	SP000017975	45	SAF-C167CR-LM HA+-Step	SP000017995	45
SAB-C167CR-LM HA+-Step	SP000103463	45	SAF-C167CR-LM HA+-Step	SP000103465	45
SAB-C167CS-L40M CA+-Step	SP000017984	46	SAF-C167CS-L16M3V CA+-Step	SP000103469	46
SAB-C167CS-L40M CA+-Step	SP000103471	46	SAF-C167CS-L16M3V CA+-Step	SP000017109	46
SAB-C167CS-L40M CA+-Step	SP000103468	46	SAF-C167CS-L16M3V CA+-Step	SP000103470	46
SAB-C167CS-LM CA+-Step	SP000067513	46	SAF-C167CS-L33M CA+-Step	SP000016732	46
SAB-C167CS-LM CA+-Step	SP000103483	46	SAF-C167CS-L33M CA+-Step	SP000103485	46
SAB-C167CS-LM CA+-Step	SP000017996	46	SAF-C167CS-L33M CA+-Step	SP000103486	46
SAB-C167CS-LM CA+-Step	SP000103484	46	SAF-C167CS-LM CA+-Step	SP000103487	46
SAB-C167SR-LM HA+-Step	SP000017980	47	SAF-C167CS-LM CA+-Step	SP000017992	46
SAB-C167SR-LM HA+-Step	SP000103456	47	SAF-C167CS-LM CA+-Step	SP000103488	46
SAB-C167SR-LM HA+-Step	SP000017982	47	SAF-C505CA-4EM CA-Step	SP000106394	51
SAB-C167SR-LM HA+-Step	SP000103457	47	SAF-C505CA-4EM CA-Step	SP000106395	51
SAB-C505CA-4EM CA-Step	SP000106391	51	SAF-C505CA-LM CA-Step	SP000106669	51
SAB-C505CA-4EM CA-Step	SP000106392	51	SAF-C505CA-LM CA-Step	SP000106390	51
SAE0800	SP000011614	113	SAF-C515C-8EM CA-Step	SP000106398	51
SAE0800G	SP000011615	113	SAF-C515C-8EM CA-Step	SP000106399	51
SAE0800G	SP000080996	113	SAF-TC1100-L100EB BB-Step	SP000099818	25
SAE0800G GEG	SP000011616	113	SAF-TC1100-L100EB BB-Step	SP000099817	25
SAF C165H-LF V1.3	SP000007668	18	SAF-TC1100-L100EB-G BB-Step	SP000106546	25
SAF C165H-LF V1.3	SP000007667	18	SAF-TC1100-L100EB-G BB-Step	SP000106545	25
SAF C165H-LF V1.3	SP000007669	18	SAF-TC1100-L150EB BB-Step	SP000106548	25
SAF C165UTAH-LF V1.3	SP000007475	18	SAF-TC1100-L150EB BB-Step	SP000106547	25
SAF C165UTAH-LF V1.3	SP000007474	18	SAF-TC1100-L150EB-G BB-Step	SP000099816	25
SAF C165UTAH-LF V1.3	SP000007476	18	SAF-TC1100-L150EB-G BB-Step	SP000099815	25
SAF XC2786X-96F66L	SP000261178	27	SAF-TC1115L-100EB BB-Step	SP000099814	25
SAF-C161CS-LF	SP000106865	28	SAF-TC1115L-100EB BB-Step	SP000099813	25
SAF-C161K-LM HA-Step	SP000011620	28	SAF-TC1115L-100EB-G BB-Step	SP000106544	25
SAF-C161K-LM3V HA-Step	SP000011621	28	SAF-TC1115L-100EB-G BB-Step	SP000106543	25
SAF-C161O-L25M HA-Step	SP000014269	28	SAF-TC1115L-150EB BB-Step	SP000106542	25
SAF-C161O-LM HA-Step	SP000011622	28	SAF-TC1115L-150EB BB-Step	SP000106541	25
SAF-C161O-LM HA-Step	SP000011623	28	SAF-TC1115L-150EB-G BB-Step	SP000099812	25
SAF-C161O-LM3V HA-Step	SP000011624	28	SAF-TC1115L-150EB-G BB-Step	SP000099811	25
SAF-C161PI-L25F CA-Step	SP000014363	29	SAF-TC1130L-100EB BB-Step	SP000099810	25
SAF-C161PI-L25M CA-Step	SP000014368	29	SAF-TC1130L-100EB BB-Step	SP000099809	25
SAF-C161PI-LF CA-Step	SP000014359	29	SAF-TC1130L-100EB-G BB-Step	SP000106540	25
SAF-C161PI-LF3V CA-Step	SP000014361	29	SAF-TC1130L-100EB-G BB-Step	SP000106539	25
SAF-C161PI-LM CA-Step	SP000014364	29	SAF-TC1130L-150EB BB-Step	SP000099808	25



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
SAF-TC1130L-150EB BB-Step	SP000099807	25	SAF-XC164GM-4F40F AA-Step	SP000203876	34
SAF-TC1130L-150EB-G BB-Step	SP000106538	25	SAF-XC164GM-4F40F AA-Step	SP000105867	34
SAF-TC1130L-150EB-G BB-Step	SP000106119	25	SAF-XC164GM-8F20F AA-Step	SP000203881	34
SAF-TC1796-256F150E BC-Step	SP000064092	26	SAF-XC164GM-8F20F AA-Step	SP000105744	34
SAF-TC1796-256F150E-G BD-Step	SP000265886	26	SAF-XC164GM-8F40F AA-Step	SP000203886	34
SAF-XC161CJ-16F20F BB-Step	SP000083663	30	SAF-XC164GM-8F40F AA-Step	SP000105876	34
SAF-XC161CJ-16F20F BB-Step	SP000231472	30	SAF-XC164KM-16F20F BA-Step	SP000258358	34
SAF-XC161CJ-16F40F BB-Step	SP000280516	30	SAF-XC164KM-16F20F BA-Step	SP000244722	34
SAF-XC161CJ-16F40F BB-Step	SP000096147	30	SAF-XC164KM-16F40F BA-Step	SP000258390	34
SAF-XC161CJ-16F40F BB-Step	SP000224537	30	SAF-XC164KM-16F40F BA-Step	SP000258389	34
SAF-XC161CS-32F20F BB-A-Step	SP000224541	30	SAF-XC164KM-4F20F AA-Step	SP000203872	34
SAF-XC161CS-32F40F BB-A-Step	SP000098773	30	SAF-XC164KM-4F20F AA-Step	SP000105863	34
SAF-XC161CS-32F40F BB-A-Step	SP000224542	30	SAF-XC164KM-4F40F AA-Step	SP000203877	34
SAF-XC164CM-16F20F BA-Step	SP000258355	33	SAF-XC164KM-4F40F AA-Step	SP000105868	34
SAF-XC164CM-16F20F BA-Step	SP000244707	33	SAF-XC164KM-8F20F AA-Step	SP000203882	34
SAF-XC164CM-16F40F BA-Step	SP000258356	33	SAF-XC164KM-8F20F AA-Step	SP000105872	34
SAF-XC164CM-16F40F BA-Step	SP000258385	33	SAF-XC164KM-8F40F AA-Step	SP000203887	34
SAF-XC164CM-4F20F AA-Step	SP000203862	33	SAF-XC164KM-8F40F AA-Step	SP000105877	34
SAF-XC164CM-4F20F AA-Step	SP000084408	33	SAF-XC164LM-16F20F BA-Step	SP000258381	35
SAF-XC164CM-4F40F AA-Step	SP000203863	33	SAF-XC164LM-16F20F BA-Step	SP000244723	35
SAF-XC164CM-4F40F AA-Step	SP000084410	33	SAF-XC164LM-16F40F BA-Step	SP000258392	35
SAF-XC164CM-8F20F AA-Step	SP000203864	33	SAF-XC164LM-16F40F BA-Step	SP000258391	35
SAF-XC164CM-8F20F AA-Step	SP000065633	33	SAF-XC164LM-4F20F AA-Step	SP000203873	35
SAF-XC164CM-8F40F AA-Step	SP000203865	33	SAF-XC164LM-4F20F AA-Step	SP000105864	35
SAF-XC164CM-8F40F AA-Step	SP000065635	33	SAF-XC164LM-4F40F AA-Step	SP000203878	35
SAF-XC164CS-16F20F BB-Step	SP000094305	37	SAF-XC164LM-4F40F AA-Step	SP000105869	35
SAF-XC164CS-16F20F BB-Step	SP000224551	37	SAF-XC164LM-8F20F AA-Step	SP000203883	35
SAF-XC164CS-16F20F BB-Step	SP000092085	37	SAF-XC164LM-8F20F AA-Step	SP000105873	35
SAF-XC164CS-16F20F BB-Step	SP000224550	37	SAF-XC164LM-8F40F AA-Step	SP000203888	35
SAF-XC164CS-16F40F BB-Step	SP000094313	37	SAF-XC164LM-8F40F AA-Step	SP000105878	35
SAF-XC164CS-16F40F BB-Step	SP000224553	37	SAF-XC164N-16F20F BB-Step	SP000224571	41
SAF-XC164CS-16F40F BB-Step	SP000094312	37	SAF-XC164N-16F20F BB-Step	SP000224570	41
SAF-XC164CS-16F40F BB-Step	SP000224552	37	SAF-XC164N-16F40F BB-Step	SP000224575	41
SAF-XC164CS-32F20F BB-A-Step	SP000224591	38	SAF-XC164N-16F40F BB-Step	SP000224574	41
SAF-XC164CS-32F20F BB-A-Step	SP000098787	38	SAF-XC164N-32F20F BB-Step	SP000096143	41
SAF-XC164CS-32F20F BB-A-Step	SP000224590	38	SAF-XC164N-32F20F BB-Step	SP000277075	41
SAF-XC164CS-32F40F BB-A-Step	SP000224593	38	SAF-XC164N-32F40F BB-Step	SP000277080	41
SAF-XC164CS-32F40F BB-A-Step	SP000222960	38	SAF-XC164N-8F20F BB-Step	SP000094515	41
SAF-XC164CS-32F40F BB-A-Step	SP000224592	38	SAF-XC164N-8F20F BB-Step	SP000224583	41
SAF-XC164CS-8F20F BB-Step	SP000094524	37	SAF-XC164N-8F20F BB-Step	SP000094514	41
SAF-XC164CS-8F20F BB-Step	SP000224555	37	SAF-XC164N-8F20F BB-Step	SP000224582	41
SAF-XC164CS-8F20F BB-Step	SP000094523	37	SAF-XC164N-8F40F BB-Step	SP000094518	41
SAF-XC164CS-8F20F BB-Step	SP000224554	37	SAF-XC164N-8F40F BB-Step	SP000224589	41
SAF-XC164CS-8F40F BB-Step	SP000094526	37	SAF-XC164N-8F40F BB-Step	SP000094517	41
SAF-XC164CS-8F40F BB-Step	SP000224557	37	SAF-XC164N-8F40F BB-Step	SP000224588	41
SAF-XC164CS-8F40F BB-Step	SP000094525	37	SAF-XC164S-16F20F BB-Step	SP000224567	39
SAF-XC164CS-8F40F BB-Step	SP000224556	37	SAF-XC164S-16F20F BB-Step	SP000094296	39
SAF-XC164D-16F20F BB-Step	SP000224569	40	SAF-XC164S-16F20F BB-Step	SP000224566	39
SAF-XC164D-16F20F BB-Step	SP000224568	40	SAF-XC164S-16F40F BB-Step	SP000224577	39
SAF-XC164D-16F40F BB-Step	SP000224573	40	SAF-XC164S-16F40F BB-Step	SP000094303	39
SAF-XC164D-16F40F BB-Step	SP000224572	40	SAF-XC164S-16F40F BB-Step	SP000224576	39
SAF-XC164D-32F20F BB-Step	SP000096142	40	SAF-XC164S-32F20F BB-Step	SP000096144	39
SAF-XC164D-32F20F BB-Step	SP000277074	40	SAF-XC164S-32F20F BB-Step	SP000277076	39
SAF-XC164D-32F40F BB-Step	SP000088749	40	SAF-XC164S-32F40F BB-Step	SP000088754	39
SAF-XC164D-32F40F BB-Step	SP000277077	40	SAF-XC164S-32F40F BB-Step	SP000277081	39
SAF-XC164D-8F20F BB-Step	SP000094511	40	SAF-XC164S-8F20F BB-Step	SP000094520	39
SAF-XC164D-8F20F BB-Step	SP000224581	40	SAF-XC164S-8F20F BB-Step	SP000224579	39
SAF-XC164D-8F20F BB-Step	SP000094510	40	SAF-XC164S-8F20F BB-Step	SP000094519	39
SAF-XC164D-8F20F BB-Step	SP000224580	40	SAF-XC164S-8F20F BB-Step	SP000224578	39
SAF-XC164D-8F40F BB-Step	SP000094513	40	SAF-XC164S-8F40F BB-Step	SP000094522	39
SAF-XC164D-8F40F BB-Step	SP000224587	40	SAF-XC164S-8F40F BB-Step	SP000224585	39
SAF-XC164D-8F40F BB-Step	SP000094512	40	SAF-XC164S-8F40F BB-Step	SP000094521	39
SAF-XC164D-8F40F BB-Step	SP000224586	40	SAF-XC164S-8F40F BB-Step	SP000224584	39
SAF-XC164GM-16F20F BA-Step	SP000258357	34	SAF-XC164SM-16F20F BA-Step	SP000258382	35
SAF-XC164GM-16F20F BA-Step	SP000244721	34	SAF-XC164SM-16F20F BA-Step	SP000244724	35
SAF-XC164GM-16F40F BA-Step	SP000258388	34	SAF-XC164SM-16F40F BA-Step	SP000258394	35
SAF-XC164GM-16F40F BA-Step	SP000258387	34	SAF-XC164SM-16F40F BA-Step	SP000258393	35
SAF-XC164GM-4F20F AA-Step	SP000203871	34	SAF-XC164SM-4F20F AA-Step	SP000203874	35
SAF-XC164GM-4F20F AA-Step	SP000105862	34	SAF-XC164SM-4F20F AA-Step	SP000105865	35

Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
SAF-XC164SM-4F40F AA-Step	SP000203879	35	SAF-XC888-6FFI 5V AC-Step	SP000253400	57
SAF-XC164SM-4F40F AA-Step	SP000105870	35	SAF-XC888-8FFA 5V AC-Step	SP000210986	57
SAF-XC164SM-8F20F AA-Step	SP000203884	35	SAF-XC888-8FFI 5V AC-Step	SP000253402	57
SAF-XC164SM-8F20F AA-Step	SP000105874	35	SAF-XC888C-6FFA 5V AC-Step	SP000257469	57
SAF-XC164SM-8F40F AA-Step	SP000203889	35	SAF-XC888C-8FFA 5V AC-Step	SP000210980	57
SAF-XC164SM-8F40F AA-Step	SP000105879	35	SAF-XC888C-8FFI 3V3 AC-Step	SP000277148	57
SAF-XC164TM-16F20F BA-Step	SP000258383	36	SAF-XC888C-8FFI 5V AC-Step	SP000253396	57
SAF-XC164TM-16F20F BA-Step	SP000244725	36	SAF-XC888CLM-6FFA 5V AC-Step	SP000257467	58
SAF-XC164TM-16F40F BA-Step	SP000258396	36	SAF-XC888CLM-8FFA 5V AC-Step	SP000210979	58
SAF-XC164TM-16F40F BA-Step	SP000258395	36	SAF-XC888CLM-8FFI 5V AC-Step	SP000253397	58
SAF-XC164TM-4F20F AA-Step	SP000203875	36	SAF-XC888CM-6FFA 5V AC-Step	SP000257468	58
SAF-XC164TM-4F20F AA-Step	SP000105866	36	SAF-XC888CM-8FFA 5V AC-Step	SP000210981	58
SAF-XC164TM-4F40F AA-Step	SP000203880	36	SAF-XC888CM-8FFI 3V3 AC-Step	SP000307473	58
SAF-XC164TM-4F40F AA-Step	SP000105871	36	SAF-XC888CM-8FFI 5V AC-Step	SP000253398	58
SAF-XC164TM-8F20F AA-Step	SP000203885	36	SAF-XC888LM-6FFA 5V AC-Step	SP000210988	59
SAF-XC164TM-8F20F AA-Step	SP000105875	36	SAF-XC888LM-6FFI 3V3 AC-Step	SP000307472	59
SAF-XC164TM-8F40F AA-Step	SP000203890	36	SAF-XC888LM-6FFI 5V AC-Step	SP000253399	59
SAF-XC164TM-8F40F AA-Step	SP000105880	36	SAF-XC888LM-8FFA 5V AC-Step	SP000210985	59
SAF-XC167CI-16F20F BB-Step	SP000094528	48	SAF-XC888LM-8FFI 5V AC-Step	SP000253401	59
SAF-XC167CI-16F20F BB-Step	SP000224688	48	SAF-XE164F-24F66L AB-Step	SP000363794	42
SAF-XC167CI-16F20F BB-Step	SP000094527	48	SAF-XE164F-24F66L AB-Step	SP000363793	42
SAF-XC167CI-16F20F BB-Step	SP000224687	48	SAF-XE164F-48F66L AB-Step	SP000363785	42
SAF-XC167CI-16F40F BB-Step	SP000094530	48	SAF-XE164F-48F66L AB-Step	SP000363784	42
SAF-XC167CI-16F40F BB-Step	SP000224690	48	SAF-XE164F-72F66L AB-Step	SP000363775	42
SAF-XC167CI-16F40F BB-Step	SP000094529	48	SAF-XE164F-72F66L AB-Step	SP000363774	42
SAF-XC167CI-16F40F BB-Step	SP000224689	48	SAF-XE164F-96F66L AB-Step	SP000363762	42
SAF-XC167CI-32F20F BB-A-Step	SP000224701	48	SAF-XE164F-96F66L AB-Step	SP000363761	42
SAF-XC167CI-32F20F BB-A-Step	SP000098776	48	SAF-XE164G-24F66L AB-Step	SP000363797	42
SAF-XC167CI-32F20F BB-A-Step	SP000224700	48	SAF-XE164G-24F66L AB-Step	SP000363795	42
SAF-XC167CI-32F40F BB-A-Step	SP000224703	48	SAF-XE164G-48F66L AB-Step	SP000363787	42
SAF-XC167CI-32F40F BB-A-Step	SP000104964	48	SAF-XE164G-48F66L AB-Step	SP000363786	42
SAF-XC167CI-32F40F BB-A-Step	SP000224702	48	SAF-XE164G-72F66L AB-Step	SP000363778	42
SAF-XC866-1FRA AB-Step	SP000235418	52	SAF-XE164G-72F66L AB-Step	SP000363777	42
SAF-XC866-1FRI AB-Step	SP000244527	52	SAF-XE164G-96F66L AB-Step	SP000363764	42
SAF-XC866-2FRA BE-Step	SP000281796	52	SAF-XE164G-96F66L AB-Step	SP000363763	42
SAF-XC866-2FRI BC-Step	SP000210683	52	SAF-XE164H-24F66L AB-Step	SP000363799	43
SAF-XC866-2FRI BE-Step	SP000210683	52	SAF-XE164H-24F66L AB-Step	SP000363798	43
SAF-XC866-4FRA BE-Step	SP000281799	52	SAF-XE164H-48F66L AB-Step	SP000363789	43
SAF-XC866-4FRI BC-Step	SP000057470	52	SAF-XE164H-48F66L AB-Step	SP000363788	43
SAF-XC866-4FRI BE-Step	SP000245780	52	SAF-XE164H-72F66L AB-Step	SP000363780	43
SAF-XC866L-1FRA AB-Step	SP000235419	53	SAF-XE164H-72F66L AB-Step	SP000363779	43
SAF-XC866L-2FRA BE-Step	SP000281797	53	SAF-XE164H-96F66L AB-Step	SP000363766	43
SAF-XC866L-2FRI BC-Step	SP000202926	53	SAF-XE164H-96F66L AB-Step	SP000363765	43
SAF-XC866L-2FRI BE-Step	SP000245778	53	SAF-XE164K-24F66L AB-Step	SP000363801	43
SAF-XC866L-4FRA BE-Step	SP000281800	53	SAF-XE164K-24F66L AB-Step	SP000363800	43
SAF-XC866L-4FRI BC-Step	SP000202927	53	SAF-XE164K-48F66L AB-Step	SP000363791	43
SAF-XC866L-4FRI BE-Step	SP000245781	53	SAF-XE164K-48F66L AB-Step	SP000363790	43
SAF-XC886-6FFA 5V AC-Step	SP000210975	54	SAF-XE164K-72F66L AB-Step	SP000363782	43
SAF-XC886-6FFI 5V AC-Step	SP000217345	54	SAF-XE164K-72F66L AB-Step	SP000363781	43
SAF-XC886-8FFA 5V AC-Step	SP000210968	54	SAF-XE164K-96F66L AB-Step	SP000363771	43
SAF-XC886-8FFI 5V AC-Step	SP000217349	54	SAF-XE164K-96F66L AB-Step	SP000363770	43
SAF-XC886C-6FFA 5V AC-Step	SP000254474	54	SAF-XE167F-48F66L AB-Step	SP000363822	49
SAF-XC886C-6FFI 3V3 AC-Step	SP000318354	54	SAF-XE167F-48F66L AB-Step	SP000363821	49
SAF-XC886C-6FFI 5V AC-Step	SP000252635	54	SAF-XE167F-72F66L AB-Step	SP000363813	49
SAF-XC886C-8FFA 5V AC-Step	SP000210961	54	SAF-XE167F-72F66L AB-Step	SP000363812	49
SAF-XC886C-8FFI 5V AC-Step	SP000217340	54	SAF-XE167F-96F66L AB-Step	SP000363803	49
SAF-XC886CLM-6FFA 5V AC-Step	SP000254472	55	SAF-XE167G-96F66L AB-Step	SP000363802	49
SAF-XC886CLM-8FFA 5V AC-Step	SP000106748	55	SAF-XE167G-48F66L AB-Step	SP000363824	49
SAF-XC886CLM-8FFI 5V AC-Step	SP000217341	55	SAF-XE167G-48F66L AB-Step	SP000363823	49
SAF-XC886CM-6FFA 5V AC-Step	SP000254473	55	SAF-XE167G-72F66L AB-Step	SP000363815	49
SAF-XC886CM-6FFI 5V AC-Step	SP000277136	55	SAF-XE167G-72F66L AB-Step	SP000363814	49
SAF-XC886CM-8FFA 5V AC-Step	SP000210962	55	SAF-XE167G-96F66L AB-Step	SP000363805	49
SAF-XC886CM-8FFI 5V AC-Step	SP000217342	55	SAF-XE167G-96F66L AB-Step	SP000363804	49
SAF-XC886LM-6FFA 5V AC-Step	SP000210974	56	SAF-XE167H-48F66L AB-Step	SP000363826	50
SAF-XC886LM-6FFI 3V3 AC-Step	SP000307471	56	SAF-XE167H-48F66L AB-Step	SP000363825	50
SAF-XC886LM-6FFI 5V AC-Step	SP000217347	56	SAF-XE167H-72F66L AB-Step	SP000363817	50
SAF-XC886LM-8FFA 5V AC-Step	SP000210967	56	SAF-XE167H-72F66L AB-Step	SP000363816	50
SAF-XC886LM-8FFI 5V AC-Step	SP000217348	56	SAF-XE167H-96F66L AB-Step	SP000363807	50
SAF-XC888-6FFA 5V AC-Step	SP000210989	57	SAF-XE167H-96F66L AB-Step	SP000363806	50



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
SAF-XE167K-48F66L AB-Step	SP000363828	50	SAK-XC161CS-32F20F BB-A-Step	SP000098774	30
SAF-XE167K-48F66L AB-Step	SP000363827	50	SAK-XC161CS-32F20F BB-A-Step	SP000224543	30
SAF-XE167K-72F66L AB-Step	SP000363819	50	SAK-XC161CS-32F40F BB-A-Step	SP000098775	30
SAF-XE167K-72F66L AB-Step	SP000363818	50	SAK-XC161CS-32F40F BB-A-Step	SP000224544	30
SAF-XE167K-96F66L AB-Step	SP000363809	50	SAK-XC164CM-16F20F BA-Step	SP000245664	33
SAF-XE167K-96F66L AB-Step	SP000363808	50	SAK-XC164CM-16F20F BA-Step	SP000245661	33
SAK XC2264-56F66L	SP000300114	27	SAK-XC164CM-16F40F BA-Step	SP000258408	33
SAK XC2267-56F66L	SP000300104	27	SAK-XC164CM-16F40F BA-Step	SP000258407	33
SAK XC2267-96F66L	SP000250942	27	SAK-XC164CM-4F20F AA-Step	SP000203866	33
SAK XC2287-56F66L	SP000300070	27	SAK-XC164CM-4F20F AA-Step	SP000084409	33
SAK XC2287-96F66L	SP000250944	27	SAK-XC164CM-4F40F AA-Step	SP000203867	33
SAK XC2766X-96F66L	SP000366063	27	SAK-XC164CM-4F40F AA-Step	SP000084411	33
SAK167CS-L40M CA+-Step	SP000016752	46	SAK-XC164CM-8F20F AA-Step	SP000203868	33
SAK167CS-L40M CA+-Step	SP000103490	46	SAK-XC164CM-8F20F AA-Step	SP000065643	33
SAK-C161CS-LF CA-Step	SP000106868	28	SAK-XC164CM-8F40F AA-Step	SP000203869	33
SAK-C161CS-LF CA-Step	SP000106869	28	SAK-XC164CM-8F40F AA-Step	SP000065644	33
SAK-C164CI-8E25M DB-Step	SP000057431	31	SAK-XC164CR-16F20F BB-Step	SP000205541	33
SAK-C164CI-8E25M DB-Step	SP000104057	31	SAK-XC164CS-16F20F BB-Step	SP000224559	37
SAK-C164CI-8E25M DB-Step	SP000057417	31	SAK-XC164CS-16F20F BB-Step	SP000094533	37
SAK-C164CI-8E25M DB-Step	SP000104058	31	SAK-XC164CS-16F20F BB-Step	SP000224558	37
SAK-C164CI-8EM CB-Step	SP000057420	31	SAK-XC164CS-16F40F BB-Step	SP000224561	38
SAK-C164CI-8EM CB-Step	SP000103500	31	SAK-XC164CS-16F40F BB-Step	SP000083674	38
SAK-C164CI-8EM CB-Step	SP000067720	31	SAK-XC164CS-16F40F BB-Step	SP000224560	38
SAK-C164CI-8EM CB-Step	SP000103501	31	SAK-XC164CS-32F20F BB-A-Step	SP000224595	38
SAK-C164CI-8EM DB-Step	SP000054995	31	SAK-XC164CS-32F20F BB-A-Step	SP000225564	38
SAK-C164CI-8EM DB-Step	SP000104059	31	SAK-XC164CS-32F20F BB-A-Step	SP000224594	38
SAK-C164CI-8EM DB-Step	SP000057419	31	SAK-XC164CS-32F40F BB-A-Step	SP000224597	38
SAK-C164CI-8EM DB-Step	SP000104060	31	SAK-XC164CS-32F40F BB-A-Step	SP000087332	38
SAK-C164CI-L25M CA+-Step	SP000059303	31	SAK-XC164CS-32F40F BB-A-Step	SP000224596	38
SAK-C164CI-LM CA+-Step	SP000017581	31	SAK-XC164CS-8F20F BB-Step	SP000224563	37
SAK-C164CI-LM CA+-Step	SP000103497	31	SAK-XC164CS-8F20F BB-Step	SP000096145	37
SAK-C164CM-4EF AB-Step	SP000056829	32	SAK-XC164CS-8F20F BB-Step	SP000224562	37
SAK-C164CM-4EF AB-Step	SP000104063	32	SAK-XC164CS-8F40F BB-Step	SP000224565	37
SAK-C167CR-16RM HA+-Step	SP000065652	45	SAK-XC164CS-8F40F BB-Step	SP000096146	37
SAK-C167CR-L33M HA+-Step	SP000017997	45	SAK-XC164CS-8F40F BB-Step	SP000224564	37
SAK-C167CR-L33M HA+-Step	SP000103460	45	SAK-XC167CI-16F20F BB-Step	SP000224692	48
SAK-C167CR-L33M HA+-Step	SP000017993	45	SAK-XC167CI-16F20F BB-Step	SP000094531	48
SAK-C167CR-L33M HA+-Step	SP000103461	45	SAK-XC167CI-16F20F BB-Step	SP000224691	48
SAK-C167CR-LM HA+-Step	SP000016753	45	SAK-XC167CI-16F40F BB-Step	SP000095456	48
SAK-C167CR-LM HA+-Step	SP000103466	45	SAK-XC167CI-16F40F BB-Step	SP000224695	48
SAK-C167CR-LM HA+-Step	SP000016521	45	SAK-XC167CI-16F40F BB-Step	SP000095455	48
SAK-C167CR-LM HA+-Step	SP000103467	45	SAK-XC167CI-16F40F BB-Step	SP000224694	48
SAK-C167CS-L33M CA+-Step	SP000017988	46	SAK-XC167CI-32F20F BB-A-Step	SP000224705	48
SAK-C167CS-L33M CA+-Step	SP000103489	46	SAK-XC167CI-32F20F BB-A-Step	SP000098777	48
SAK-C167CS-L40M CA+-Step	SP000016751	46	SAK-XC167CI-32F20F BB-A-Step	SP000224704	48
SAK-C167CS-L40M CA+-Step	SP000103491	46	SAK-XC167CI-32F40F BB-A-Step	SP000224707	48
SAK-C167CS-LM CA+-Step	SP000016750	46	SAK-XC167CI-32F40F BB-A-Step	SP000098778	48
SAK-C167CS-LM CA+-Step	SP000103492	46	SAK-XC167CI-32F40F BB-A-Step	SP000224706	48
SAK-C167CS-LM CA+-Step	SP000016504	46	SAK-XC866-1FRA AB-Step	SP000235420	52
SAK-C167CS-LM CA+-Step	SP000103493	46	SAK-XC866-1FRI AB-Step	SP000244528	52
SAK-C167SR-LM HA+-Step	SP000017999	47	SAK-XC866-2FRA BE-Step	SP000272971	52
SAK-C167SR-LM HA+-Step	SP000103458	47	SAK-XC866-2FRI BC-Step	SP000057471	52
SAK-C167SR-LM HA+-Step	SP000016522	47	SAK-XC866-2FRI BE-Step	SP000245783	52
SAK-C167SR-LM HA+-Step	SP000103459	47	SAK-XC866-4FRI BE-Step	SP000245786	52
SAK-C505CA-4EM CA-Step	SP000106396	51	SAK-XC866L-1FRA AB-Step	SP000235421	53
SAK-C505CA-4EM CA-Step	SP000106397	51	SAK-XC866L-2FRA BE-Step	SP000245768	53
SAK-TC1762-128F66HL AC-Step	SP000318060	26	SAK-XC866L-2FRI BC-Step	SP000202929	53
SAK-TC1762-128F80HL AC-Step	SP000318061	26	SAK-XC866L-2FRI BE-Step	SP000245784	53
SAK-TC1764-128F80HL AB-Step	SP000268495	26	SAK-XC866L-4FRI BC-Step	SP000202930	53
SAK-TC1766-192F80HL BD-Step	SP000293788	26	SAK-XC866L-4FRI BE-Step	SP000245787	53
SAK-TC1792-256F130HL AA-Step	SP000225516	26	SAK-XC886-6FFA 5V AC-Step	SP000210978	54
SAK-TC1796-256F150E BC-Step	SP000097527	26	SAK-XC886-6FFI 5V AC-Step	SP000253378	54
SAK-TC1796-256F150E BD-Step	SP000103769	26	SAK-XC886-8FFA 5V AC-Step	SP000210971	54
SAK-TC1796-256F150E-GBD-Step	SP000228336	26	SAK-XC886-8FFI 5V AC-Step	SP000253380	54
SAK-TC1796-256F150E-GBD-Step	SP000240568	26	SAK-XC886C-6FFA 5V AC-Step	SP000239122	54
SAK-XC161CJ-16F20F BB-Step	SP000096148	30	SAK-XC886C-6FFI 5V AC-Step	SP000253369	54
SAK-XC161CJ-16F20F BB-Step	SP000224538	30	SAK-XC886C-8FFA 5V AC-Step	SP000106749	54
SAK-XC161CJ-16F40F BB-Step	SP000083664	30	SAK-XC886C-8FFI 5V AC-Step	SP000253375	54
SAK-XC161CJ-16F40F BB-Step	SP000224540	30	SAK-XC886CLM-6FFA 5V AC-Step	SP000245819	55

Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
SAK-XC886CLM-6FFI 5V AC-Step	SP000253370	55	SGP20N60	SP000011991	86
SAK-XC886CLM-8FFA 5V AC-Step	SP000210964	55	SGP20N60HS	SP000013838	88
SAK-XC886CLM-8FFI 5V AC-Step	SP000253374	55	SGP30N60	SP000011992	86
SAK-XC886CM-6FFA 5V AC-Step	SP000245820	55	SGP30N60HS	SP000013839	88
SAK-XC886CM-6FFI 5V AC-Step	SP000253371	55	SGW10N60	SP000012464	86
SAK-XC886CM-8FFA 5V AC-Step	SP000210965	55	SGW10N60A	SP000013742	86
SAK-XC886CM-8FFI 5V AC-Step	SP000253377	55	SGW15N120	SP000012564	86
SAK-XC886LM-6FFA 5V AC-Step	SP000210977	56	SGW15N60	SP000012465	86
SAK-XC886LM-6FFI 5V AC-Step	SP000253379	56	SGW20N60	SP000012466	86
SAK-XC886LM-8FFA 5V AC-Step	SP000210970	56	SGW20N60HS	SP000013771	88
SAK-XC886LM-8FFI 5V AC-Step	SP000253381	56	SGW25N120	SP000012565	86
SAK-XC888-6FFA 5V AC-Step	SP000210995	57	SGW25N120 E8161	SP000237274	86
SAK-XC888-6FFI 5V AC-Step	SP000253410	57	SGW30N60	SP000012467	86
SAK-XC888-8FFA 5V AC-Step	SP000210992	57	SGW30N60HS	SP000013770	88
SAK-XC888-8FFI 5V AC-Step	SP000253412	57	SGW50N60HS	SP000089248	88
SAK-XC888C-6FFA 5V AC-Step	SP000239124	57	SIPB 21493	on request	18
SAK-XC888C-6FFI 5V AC-Step	SP000253405	57	SKA 06N60	SP000215379	87
SAK-XC888C-8FFA 5V AC-Step	SP000098771	57	SKB02N120	SP000012567	87
SAK-XC888C-8FFI 5V AC-Step	SP000253408	57	SKB02N60	SP000012416	87
SAK-XC888CLM-6FFA 5V AC-Step	SP000245821	58	SKB02N60 E3266	SP000012417	87
SAK-XC888CLM-6FFI 5V AC-Step	SP000253403	58	SKB04N60	SP000012425	87
SAK-XC888CLM-8FFA 5V AC-Step	SP000210982	58	SKB06N60	SP000012427	87
SAK-XC888CM-6FFA 5V AC-Step	SP000245822	58	SKB06N60HS	SP000014222	88
SAK-XC888CM-6FFI 5V AC-Step	SP000253406	58	SKB100N60A	SP000013740	87
SAK-XC888CM-8FFA 5V AC-Step	SP000210983	58	SKB10N60	SP000012420	87
SAK-XC888CM-8FFI 5V AC-Step	SP000253407	58	SKB15N60	SP000012429	87
SAK-XC888LM-6FFA 5V AC-Step	SP000210994	59	SKB15N60 E8151	SP000012430	87
SAK-XC888LM-6FFI 5V AC-Step	SP000253409	59	SKB15N60A	SP000235220	87
SAK-XC888LM-8FFA 5V AC-Step	SP000210991	59	SKB15N60HS	SP000014221	88
SAK-XC888LM-8FFI 5V AC-Step	SP000253411	59	SKP02N120	SP000012568	87
SDB06S60	SP000013624	93	SKP02N60	SP000012421	87
SDB20S30	SP000013514	93	SKP04N60	SP000012418	87
SDD04S60	SP000077602	93	SKP06N60	SP000012426	87
SDP10S30	SP000013359	93	SKP10N60A	SP000013739	87
SDP20S30	SP000013625	93	SKP15N60	SP000012428	87
SDT04S60	SP000013822	93	SKW07N120	SP000012569	87
SDT05S60	SP000014671	93	SKW07N120 E8161	SP000237275	87
SDT06S60	SP000013823	93	SKW10N60	SP000012481	87
SDT08S60	SP000014897	93	SKW10N60A	SP000013741	87
SDT10S30	SP000013824	93	SKW15N120	SP000012570	87
SDT10S60	SP000014896	93	SKW15N60	SP000012482	87
SDT12S60	SP000013825	93	SKW20N60	SP000012483	87
SGB02N120	SP000012558	86	SKW20N60HS	SP000013772	88
SGB02N60	SP000011978	86	SKW25N120	SP000012571	87
SGB04N60	SP000011979	86	SKW25N120 E8161	SP000237276	87
SGB06N60	SP000011980	86	SKW30N60	SP000012484	87
SGB07N120	SP000012559	86	SKW30N60HS	SP000013744	88
SGB10N60A	SP000013790	86	SLB 9635 TT1.2	SP000107000	155
SGB15N120	SP000012560	86	SLE 4406SPE-C	SP000095249	159
SGB15N60	SP000011983	86	SLE 4406SPE-D	SP000095254	159
SGB15N60 E3261	SP000011982	86	SLE 4406SPE-M3.2	SP000095380	159
SGB15N60HS	SP000056421	88	SLE 4406SPE-MFC3.1	SP000095381	159
SGB15N60HS	SP000014134	88	SLE 50C1120PE-C	SP000247169	155
SGB20N60	SP000011984	86	SLE 50C1120PE-MFC5.6	SP000247167	155
SGB30N60	SP000011985	86	SLE 50C1120PE-MFC5.8	SP000247166	155
SGD02N120	SP000012566	86	SLE 50C1320PE-C	SP000247168	155
SGD02N60	SP000011993	86	SLE 50C1320PE-MFC5.6	SP000247171	155
SGD04N60	SP000011994	86	SLE 50C1320PE-MFC5.8	SP000247172	155
SGD06N60	SP000011995	86	SLE 50C363PE-C	SP000104935	155
SGI 02N120	SP000012885	86	SLE 50C363PE-MFC5.6	SP000104937	155
SGP02N120	SP000012561	86	SLE 50C363PE-MFC5.8	SP000104938	155
SGP02N60	SP000011986	86	SLE 50C683PE-C	SP000104939	155
SGP04N60	SP000011987	86	SLE 50C683PE-MFC5.6	SP000104941	155
SGP06N60	SP000011988	86	SLE 50C683PE-MFC5.8	SP000104942	155
SGP07N120	SP000012562	86	SLE 50CF1000PE-C	SP000105603	155
SGP10N60	SP000011989	86	SLE 50CF1000PE-MFC5.6	SP000105601	155
SGP10N60A	SP000013743	86	SLE 50CF1000PE-MFC5.8	SP000105602	155
SGP15N120	SP000012563	86	SLE 50CF1320PE-C	SP000105607	155
SGP15N60	SP000011990	86	SLE 50CF1320PE-MFC5.6	SP000105605	155



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
SLE 50CF1320PE-MFC5.8	SP000105606	155	SLE 66C360PE-MFC5.8	SP000269836	156
SLE 50CF680PE-C	SP000105569	155	SLE 66C367PE-C	SP000204418	156
SLE 50CF680PE-MFC5.6	SP000105599	155	SLE 66C367PE-DSO8	SP000235309	156
SLE 50CF680PE-MFC5.8	SP000105600	155	SLE 66C367PE-M5.1	SP000204419	156
SLE 5518-C	SP000308575	159	SLE 66C367PE-MFC5.6	SP000204420	156
SLE 5518-M3.2	SP000308576	159	SLE 66C367PE-MFC5.8	SP000204421	156
SLE 5518-MFC3.1	SP000308578	159	SLE 66C44PE-C	SP000060151	155
SLE 5528-M3.2	SP000268874	159	SLE 66C44PE-M5.1	SP000060152	155
SLE 5528-MFC3.1	SP000269210	159	SLE 66C44PE-MFC5.6	SP000060153	155
SLE 5532-C	SP000222820	159	SLE 66C44PE-MFC5.8	SP000060154	155
SLE 5532-D	SP000238099	159	SLE 66C680PE-M	SP000060159	157
SLE 5532-M2.2	SP000222821	159	SLE 66C680PE-M5.1	SP000060160	157
SLE 5532-M3.2	SP000222822	159	SLE 66C682PE-C	SP000060165	157
SLE 5532-MFC3.1	SP000222823	159	SLE 66C682PE-M5.1	SP000060166	157
SLE 5538-C	SP000309066	159	SLE 66C682PE-MFC5.6	SP000060167	157
SLE 5538-M3.2	SP000308579	159	SLE 66C682PE-MFC5.8	SP000060168	157
SLE 5538-MFC3.1	SP000308580	159	SLE 66C84PE-C	SP000060173	155
SLE 5542-C	SP000222824	159	SLE 66C84PE-M5.1	SP000060174	155
SLE 5542-D	SP000248426	159	SLE 66C84PE-MFC5.6	SP000060175	155
SLE 5542-M3.2	SP000222826	159	SLE 66C84PE-MFC5.8	SP000060176	155
SLE 5542-MFC3.1	SP000222827	159	SLE 66CL180PE-C	SP000105538	160
SLE 5552-C	SP000292783	159	SLE 66CL180PE-M8.4	SP000105539	160
SLE 5552-D	SP000248429	159	SLE 66CL180PEM-C	SP000292237	160
SLE 5552-M3.2	SP000232946	159	SLE 66CL180PE-MCC8	SP000105540	160
SLE 5552-MFC3.1	SP000232947	159	SLE 66CL41PE-C	SP000105543	160
SLE 55V02P HC-NB	SP000245649	161	SLE 66CL41PE-MCC8	SP000292242	160
SLE 55V02P-NB	SP000009489	161	SLE 66CL80P-C	SP000292252	160
SLE 6636-C	SP000060267	159	SLE 66CL80PE-C	SP000105545	160
SLE 6636COM-C	SP000010098	159	SLE 66CL80PE-M8.4	SP000105546	160
SLE 6636COM-D	SP000010094	159	SLE 66CL80PE-NB	SP000105547	160
SLE 6636COM-M3.2	SP000010111	159	SLE 66CL81PE-NB	SP000292257	160
SLE 6636COM-M3.2	SP000010020	159	SLE 66CLX320P-M8.4	SP000060232	160
SLE 6636-D	SP000010093	159	SLE 66CLX321P-C	SP000292275	160
SLE 6636ECOM-D	SP000079443	159	SLE 66CLX321P-MCC8	SP000292276	160
SLE 6636ECOM-M3.2	SP000214217	159	SLE 66CLX360PE-C	SP000105548	160
SLE 6636ECOM-MFC3.1	SP000217141	159	SLE 66CLX360PE-M8.4	SP000105549	160
SLE 6636E-M3.2	SP000204855	159	SLE 66CLX360PEM-C	SP000292277	160
SLE 6636E-MFC3.1	SP000102643	159	SLE 66CLX360PE-MCC8	SP000105550	160
SLE 6636-M3.2	SP000010110	159	SLE 66CLX360PEM-M8.4	SP000292279	160
SLE 6636-MFC3.1	SP000010022	159	SLE 66CLX360PEM-MCC8	SP000292281	160
SLE 66C161PE-C	SP000067539	156	SLE 66CLX800PE-C	SP000275909	160
SLE 66C161PE-M5.1	SP000067515	156	SLE 66CLX800PE-M8.4	SP000275910	160
SLE 66C161PE-MFC1.6	SP000296601	156	SLE 66CLX800PEM-C	SP000105551	160
SLE 66C161PE-MFC5.6	SP000067537	156	SLE 66CLX800PE-MCC8	SP000275912	160
SLE 66C161PE-MFC5.8	SP000060085	156	SLE 66CLX800PEM-M8.4	SP000105552	160
SLE 66C166PE-C	SP000269795	156	SLE 66CLX800PEM-MCC8	SP000105553	160
SLE 66C166PE-M5.1	SP000269797	156	SLE 66CX162PE-C	SP000060182	156
SLE 66C166PE-MFC5.6	SP000269799	156	SLE 66CX162PE-M5.1	SP000060183	156
SLE 66C166PE-MFC5.8	SP000269801	156	SLE 66CX162PE-MFC5.6	SP000060184	156
SLE 66C168PE-C	SP000269803	156	SLE 66CX162PE-MFC5.8	SP000060185	156
SLE 66C168PE-DSO8	SP000235308	156	SLE 66CX360PE-C	SP000060189	156
SLE 66C168PE-M5.1	SP000269806	156	SLE 66CX360PE-DSO8	SP000275212	156
SLE 66C168PE-MFC5.6	SP000269809	156	SLE 66CX360PE-M5.1	SP000215320	156
SLE 66C168PE-MFC5.8	SP000269812	156	SLE 66CX360PE-MFC5.6	SP000060191	156
SLE 66C24PE-C	SP000060110	155	SLE 66CX360PE-MFC5.8	SP000060192	156
SLE 66C24PE-M5.1	SP000060111	155	SLE 66CX480PE-C	SP000231796	156
SLE 66C24PE-MFC5.6	SP000060112	155	SLE 66CX480PE-DSO8	SP000235314	156
SLE 66C24PE-MFC5.8	SP000060113	155	SLE 66CX480PE-M5.1	SP000231797	156
SLE 66C324PE-C	SP000060144	156	SLE 66CX480PE-MFC5.6	SP000231798	156
SLE 66C324PE-M5.1	SP000009889	156	SLE 66CX480PE-MFC5.8	SP000231799	156
SLE 66C324PE-MFC5.6	SP000067540	156	SLE 66CX482PE-C	SP000231800	157
SLE 66C324PE-MFC5.8	SP000067545	156	SLE 66CX482PE-DSO8	SP000235315	157
SLE 66C327PE-C	SP000204422	156	SLE 66CX482PE-M5.1	SP000231801	157
SLE 66C327PE-DSO8	SP000235310	156	SLE 66CX482PE-MFC5.6	SP000231802	157
SLE 66C327PE-M5.1	SP000204423	156	SLE 66CX482PE-MFC5.8	SP000231803	157
SLE 66C327PE-MFC5.6	SP000204424	156	SLE 66CX680PE-C	SP000067526	157
SLE 66C327PE-MFC5.8	SP000204425	156	SLE 66CX680PE-M5.1	SP000216967	157
SLE 66C360PE-C	SP000060146	156	SLE 66CX680PE-MFC5.6	SP000060200	157
SLE 66C360PE-M5.1	SP000067575	156	SLE 66CX680PE-MFC5.8	SP000060201	157

Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page	
SLE 66CX80PE-C	SP000060202	155	SMBD914	3k	SP000010209	117
SLE 66CX80PE-DSO8	SP000235312	155	SMBT2222A	3k	SP000011176	123
SLE 66CX80PE-M5.1	SP000060203	155	SMBT2907A	3k	SP000011181	127
SLE 66CX80PE-MFC5.6	SP000060204	155	SMBT3904	10k	SP000011675	123
SLE 66CX80PE-MFC5.8	SP000060205	155	SMBT3904	10x3k	SP000223860	123
SLE 66R35-C	SP000292799	161	SMBT3904	3k	SP000011673	123
SLE 66R35-MCC2	SP000298576	161	SMBT3904	9x10k	SP000223947	123
SLE 66R35-MCC8	SP000292802	161	SMBT3904PN	3k	SP000014740	133
SLE 66R35-NB	SP000298582	161	SMBT3904S	3k	SP000014737	133
SLE 88C1640P-C	SP000234852	158	SMBT3904U	3k	SP000012615	133
SLE 88C1640P-M5.1	SP000234853	158	SMBT3904UPN	3k	SP000012617	133
SLE 88C1640P-MFC5.6	SP000234854	158	SMBT3906	10x3k	SP000223858	127
SLE 88C1640P-MFC5.8	SP000234855	158	SMBT3906	3k	SP000011680	127
SLE 88C920P-C	SP000227724	158	SMBT3906	9x10k	SP000223948	127
SLE 88C920P-M5.1	SP000227725	158	SMBT3906S	3k	SP000016694	133
SLE 88C920P-MFC5.6	SP000227726	158	SMBT3906U	3k	SP000012616	133
SLE 88C920P-MFC5.8	SP000227729	158	SMBTA06	10k	SP000011688	123
SLE 88CF2920P-C	SP000096156	158	SMBTA06	3k	SP000011686	123
SLE 88CF2920P-M5.1	SP000096157	158	SMBTA06UPN	3k	SP000012393	133
SLE 88CF2920P-MFC5.6	SP000096158	158	SMBTA14	3k	SP000010872	130
SLE 88CF2920P-MFC5.8	SP000096159	158	SMBTA42	10k	SP000011001	131
SLE 88CF3520P-C	SP000096160	158	SMBTA42	3k	SP000011000	131
SLE 88CF3520P-M5.1	SP000096161	158	SMBTA56	10k	SP000011695	127
SLE 88CF3520P-MFC5.6	SP000096162	158	SMBTA56	3k	SP000011692	127
SLE 88CF3520P-MFC5.8	SP000096163	158	SMBTA92	10k	SP000011005	131
SLE 88CF4000P-C	SP000067771	158	SMBTA92	3k	SP000011004	131
SLE 88CF4000P-M5.1	SP000067772	158	SMM310	4k	SP000267598	140
SLE 88CF4000P-MFC5.6	SP000210814	158	SN7002N L6327		SP000074235	74
SLE 88CF4000P-MFC5.8	SP000067773	158	SN7002N L6433		SP000247306	74
SLE 88CF4002P-C	SP000244846	158	SN7002W L6327		SP000245414	74
SLE 88CF4002P-M5.1	SP000244847	158	SN7002W L6433		SP000245413	74
SLE 88CF4002P-MFC5.6	SP000244848	158	SP300 V4.0-E106-0		SP000208318	149
SLE 88CF4002P-MFC5.8	SP000244850	158	SP300 V4.0-E116-0		SP000208320	149
SLE 88CFX2920P-C	SP000096151	158	SPA02N80C3		SP000216295	81
SLE 88CFX2920P-M5.1	SP000096152	158	SPA03N60C3		SP000216296	78
SLE 88CFX2920P-MFC5.6	SP000096149	158	SPA04N50C3		SP000216298	77
SLE 88CFX2920P-MFC5.8	SP000096150	158	SPA04N60C3		SP000216299	78
SLE 88CFX3520P-C	SP000096154	158	SPA04N80C3		SP000216300	81
SLE 88CFX3520P-M5.1	SP000096155	158	SPA06N60C3		SP000216301	78
SLE 88CFX3520P-MFC5.6	SP000096153	158	SPA06N80C3		SP000216302	81
SLE 88CFX3520P-MFC5.8	SP000247254	158	SPA07N60C3		SP000216303	78
SLE 88CFX4000P-C	SP000060206	158	SPA07N60CFD		SP000264431	78
SLE 88CFX4000P-M5.1	SP000060207	158	SPA07N65C3		SP000216305	81
SLE 88CFX4000P-MFC5.6	SP000209744	158	SPA08N50C3		SP000216306	77
SLE 88CFX4000P-MFC5.8	SP000060208	158	SPA08N80C3		SP000216310	81
SLE 88CFX4002P-C	SP000060214	158	SPA11N60C3		SP000216312	78
SLE 88CFX4002P-M5.1	SP000060215	158	SPA11N60CFD		SP000216317	78
SLE 88CFX4002P-MFC5.6	SP000247259	158	SPA11N65C3		SP000216318	81
SLE 88CFX4002P-MFC5.8	SP000060216	158	SPA11N80C3		SP000216320	81
SMART 2000	SP000007972	15	SPA12N50C3		SP000216322	77
SMART 2000	SP000007972	16	SPA15N60C3		SP000216325	78
SMART 2000	SP000007972	17	SPA15N60CFD		SP000264432	78
SMART 2000	SP000007972	18	SPA15N65C3		SP000293730	81
SMART 21150	SP000007975	15	SPA16N50C3		SP000216351	77
SMART 21383	on request	18	SPA17N80C3		SP000216353	81
SMART 21384	on request	18	SPA20N60C3		SP000216354	78
SMART 2426 EURO	on request	16	SPA20N60CFD		SP000216361	78
SMART 2426 EURO	on request	17	SPA20N65C3		SP000216362	81
SMART 2426 USA/JPN	on request	16	SPA21N50C3		SP000216364	77
SMART 2426 USA/JPN	on request	17	SPB02N60C3		SP000013516	78
SMART 3265	SP000007987	14	SPB03N60C3		SP000013517	78
SMART 3268	SP000204343	14	SPB04N50C3		SP000014477	77
SMART 4262	on request	14	SPB04N60C3		SP000013533	78
SMART 4265 P-DSO-20	on request	14	SPB07N60C3		SP000013518	78
SMART 4265 P-VQFN-48	on request	14	SPB08P06P G		SP000102179	83
SMART 4268	SP000008156	14	SPB100N03S2-03		SP000016260	63
SMART 4365 P-DSO-36	SP000007990	14	SPB100N03S2-03 G		SP000200140	63
SMBD7000 (Dual) 10k	SP000014937	118	SPB100N03S2L-03		SP000013460	63
SMBD7000 (Dual) 3k	SP000014938	118	SPB100N03S2L-03 G		SP000200141	63



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
SPB100N04S2-04	SP000013711	65	SPD15P06PL G	SP000317393	83
SPB100N04S2L-03	SP000013712	65	SPD18P06P G	SP000077440	83
SPB100N06S2-05	SP000013713	67	SPD220N08S2L-50	SP000013910	69
SPB100N06S2L-05	SP000013714	67	SPD25N06S2-40	SP000013572	68
SPB100N08S2-07	SP000013715	69	SPD26N06S2L-35	SP000013570	68
SPB100N08S2L-07	SP000013716	69	SPD30N03S2L-07	SP000013749	63
SPB11N60C3	SP000013519	78	SPD30N03S2L-07	SP000077583	63
SPB12N50C3	SP000014894	77	SPD30N03S2L-10	SP000016254	63
SPB160N04S2-03	SP000014263	65	SPD30N03S2L-10	SP000077499	63
SPB160N04S2L-03	SP000014639	65	SPD30N03S2L-20	SP000013488	63
SPB16N50C3	SP000014895	77	SPD30N06S2-15	SP000012477	67
SPB17N80C3	SP000013370	81	SPD30N06S2-23	SP000013596	67
SPB18P06P G	SP000102181	83	SPD30N06S2L-13	SP000012478	67
SPB20N60C3	SP000013520	78	SPD30N06S2L-23	SP000013127	67
SPB21N50C3	SP000013833	77	SPD30N08S2-22	SP000013153	69
SPB42N03S2L-13 G	SP000200137	63	SPD30N08S2L-21	SP000013152	69
SPB47N10	SP000012327	69	SPD30P06P G	SP000077529	83
SPB47N10L	SP000012078	69	SPD50N03S2-07	SP000016253	63
SPB70N10L	SP000012079	69	SPD50N03S2-07	SP000077579	63
SPB73N03S2L-08	SP000016257	63	SPD50N03S2L-06	SP000077584	63
SPB73N03S2L-08 G	SP000200138	63	SPD50N06S2-14	SP000013569	67
SPB77N06S2-12	SP000013587	67	SPD50N06S2L-13	SP000013568	67
SPB80N03S2-03	SP000016251	63	SPD50P03L G	SP000371908	84
SPB80N03S2-03 G	SP000200139	63	SPI 70N10L	SP000014005	69
SPB80N03S2L-03	SP000016252	63	SPI07N60C3	SP000013521	79
SPB80N03S2L-03 G	SP000200142	63	SPI07N65C3	SP000014632	81
SPB80N03S2L-05 G	SP000200144	63	SPI08N50C3	SP000014461	77
SPB80N03S2L-06	SP000016264	63	SPI08N80C3	SP000014819	81
SPB80N04S2-04	SP000016353	65	SPI100N08S2-07	SP000055687	69
SPB80N04S2-H4	SP000016358	65	SPI11N60C3	SP000013522	79
SPB80N04S2L-03	SP000016354	65	SPI11N60CFD	SP000229994	79
SPB80N06S-08	SP000054056	67	SPI11N65C3	SP000014526	81
SPB80N06S-08	SP000084808	67	SPI12N50C3	SP000014467	77
SPB80N06S2-05	SP000016351	67	SPI15N60C3	SP000014528	79
SPB80N06S2-07	SP000013578	67	SPI15N60CFD	SP000264433	79
SPB80N06S2-08	SP000016356	67	SPI15N65C3	SP000294825	81
SPB80N06S2-09	SP000013581	67	SPI16N50C3	SP000014470	77
SPB80N06S2-H5	SP000013795	67	SPI20N60C3	SP000014453	79
SPB80N06S2L-05	SP000016352	67	SPI20N60CFD	SP000229995	79
SPB80N06S2L-06	SP000013577	67	SPI20N65C3	SP000014525	81
SPB80N06S2L-07	SP000016357	67	SPI21N50C3	SP000014463	77
SPB80N06S2L-09	SP000013582	67	SPI42N03S2L-13	SP000013897	63
SPB80N06S2L-11	SP000013586	67	SPI47N10	SP000013951	69
SPB80N06S2L-H5	SP000013796	67	SPI47N10L	SP000013952	69
SPB80N08S2-07	SP000016355	69	SPI80N03S2-03	SP000016262	63
SPB80N08S2L-07	SP000016359	69	SPI80N03S2L-03	SP000016261	63
SPB80P06P G	SP000096088	83	SPI80N03S2L-04	SP000013903	63
SPD01N60C3	SP000307382	79	SPI80N04S2-04	SP000015085	65
SPD02N50C3	SP000014476	77	SPI80N06S-08	SP000054055	68
SPD02N50C3	SP000313942	77	SPI80N06S-08	SP000084809	68
SPD02N60C3	SP000308771	79	SPI80N06S2-07	SP000013784	68
SPD02N80C3	SP000315409	81	SPI80N06S2-08	SP000013911	68
SPD03N50C3	SP000014289	77	SPI80N06S2L-05	SP000016360	68
SPD03N60C3	SP000308772	79	SPI80N06S2L-11	SP000029960	68
SPD04N50C3	SP000313945	77	SPI80N08S2-07	SP000013954	69
SPD04N60C3	SP000313944	79	SPN01N60C3	SP000012411	79
SPD04N80C3	SP000315410	81	SPN02N60C3	SP000014454	79
SPD04P06P G	SP000212230	83	SPN03N60C3	SP000101879	79
SPD04P06PL G	SP000212231	83	SPP02N60C3	SP000013523	79
SPD06N60C3	SP000307394	79	SPP02N80C3	SP000013732	81
SPD06N80C3	SP000318350	81	SPP03N60C3	SP000013524	79
SPD07N20	SP000077394	76	SPP04N50C3	SP000014478	77
SPD07N60C3	SP000077605	79	SPP04N60C3	SP000013534	79
SPD08N50C3	SP000307395	77	SPP04N80C3	SP000013706	81
SPD08P06P G	SP000096087	83	SPP06N60C3	SP000014697	79
SPD09P06PL G	SP000077442	83	SPP06N80C3	SP000013366	81
SPD14N06S2-80	SP000013575	68	SPP07N60C3	SP000013525	79
SPD15N06S2L-64	SP000013573	68	SPP07N60CFD	SP000264424	79
SPD15P06P G	SP000212233	83	SPP07N65C3	SP000014631	81

Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
SPP08N50C3	SP000013834	77	SPU09P06PL	SP000012876	83
SPP08N80C3	SP000013704	81	SPU18P06P	SP000012303	83
SPP08P06P	SP000012085	83	SPU30P06P	SP000012844	83
SPP100N03S2-03	SP000013463	64	SPW07N60CFD	SP000264430	80
SPP100N03S2L-03	SP000013462	64	SPW11N60C3	SP000013728	80
SPP100N04S2-04	SP000013718	65	SPW11N60CFD	SP000014534	80
SPP100N04S2L-03	SP000013719	65	SPW11N80C3	SP000013703	81
SPP100N06S2-05	SP000013720	68	SPW12N50C3	SP000014469	78
SPP100N06S2L-05	SP000013721	68	SPW15N60C3	SP000014530	80
SPP100N08S2-07	SP000013722	69	SPW15N60CFD	SP000264429	80
SPP100N08S2L-07	SP000013723	69	SPW16N50C3	SP000014472	78
SPP11N60C3	SP000013526	79	SPW17N80C3	SP000013369	81
SPP11N60CFD	SP000014533	79	SPW20N60C3	SP000013729	80
SPP11N65C3	SP000014371	81	SPW20N60CFD	SP000014535	80
SPP11N80C3	SP000013701	81	SPW21N50C3	SP000014464	78
SPP12N50C3	SP000014459	77	SPW24N60C3	SP000014695	80
SPP15N60C3	SP000014527	79	SPW24N60CFD	SP000264428	80
SPP15N60CFD	SP000264425	79	SPW32N50C3	SP000014625	78
SPP15N65C3	SP000294824	81	SPW35N60C3	SP000014970	80
SPP15P10P G	SP000212313	83	SPW35N60CFD	SP000065487	80
SPP15P10PL G	SP000212234	83	SPW47N60C3	SP000013953	80
SPP16N50C3	SP000014460	77	SPW47N60CFD	SP000065376	80
SPP17N80C3	SP000013356	81	SPW47N65C3	SP000274751	81
SPP18P06P	SP000012300	83	SPW52N50C3	SP000014626	78
SPP20N60C3	SP000013527	79	SRF 55V01P-NB	SP000219049	161
SPP20N60CFD	SP000014475	79	SRF 55V02P HC-C	SP000245648	161
SPP20N65C3	SP000014369	81	SRF 55V02P-C	SP000009363	161
SPP21N50C3	SP000013832	77	SRF 55V02P-MCC2	SP000009367	161
SPP24N60C3	SP000014690	79	SRF 55V02S-C	SP000009364	161
SPP24N60CFD	SP000264426	79	SRF 55V02S-MCC2	SP000009368	161
SPP42N03S2L-13	SP000013464	64	SRF 55V02S-NB	SP000009491	161
SPP47N10	SP000012415	69	SRF 55V10P HC-C	SP000316322	161
SPP47N10L	SP000012102	69	SRF 55V10P HC-NB	SP000315963	161
SPP70N10L	SP000012103	69	SRF 55V10P-C	SP000009362	161
SPP73N03S2L-08	SP000013465	64	SRF 55V10P-MCC2	SP000009365	161
SPP77N06S2-12	SP000013588	68	SRF 55V10P-NB	SP000009490	161
SPP80N03S2-03	SP000012468	64	SRF 55V10S-C	SP000009289	161
SPP80N03S2L-03	SP000012469	64	SRF 55V10S-MCC2	SP000009366	161
SPP80N03S2L-04	SP000013902	64	SRF 55V10S-NB	SP000009290	161
SPP80N03S2L-05	SP000013466	64	SRF 66V10IT-NB	SP000010136	161
SPP80N03S2L-06	SP000014061	64	SRF 66V10ST-NB	SP000206820	161
SPP80N04S2-04	SP000012470	65			
SPP80N04S2-H4	SP000013150	65			
SPP80N04S2L-03	SP000012472	65			
SPP80N06S-08	SP000054054	68	T		
SPP80N06S-08	SP000084810	68	TCA305G	SP000011709	113
SPP80N06S2-05	SP000012473	68	TCA305G	SP000080985	113
SPP80N06S2-07	SP000013579	68	TCA305G GEG	SP000011710	113
SPP80N06S2-08	SP000012822	68	TCA305G GEG	SP000080986	113
SPP80N06S2-09	SP000013583	68	TCA355G	SP000080987	113
SPP80N06S2-H5	SP000014000	68	TCA355G GEG	SP000011712	113
SPP80N06S2L-05	SP000012474	68	TCA355G GEG	SP000080988	113
SPP80N06S2L-06	SP000013576	68	TCA3727	SP000011713	102
SPP80N06S2L-07	SP000012823	68	TCA3727G	SP000011714	102
SPP80N06S2L-09	SP000013580	68	TCA505BG	SP000242372	113
SPP80N06S2L-11	SP000013584	68	TCA505BG GEG	SP000242373	113
SPP80N06S2L-H5	SP000014001	68	TCA785	SP000011719	113
SPP80N08S2-07	SP000012475	69	TDA16846	SP000011731	112
SPP80N08S2L-07	SP000012476	69	TDA16846G	SP000081009	112
SPP80P06P	SP000012840	83	TDA16888	SP000011721	112
SPS01N60C3	SP000307396	80	TDA16888 G	SP000081318	112
SPS02N60C3	SP000235878	80	TDA21102	SP000014699	112
SPS03N60C3	SP000307418	80	TDA21106	SP000014573	112
SPS04N60C3	SP000307419	80	TDA4863-2	SP000014792	112
SPU01N60C3	SP000012110	80	TDA4863-2G	SP000014793	112
SPU02N60C3	SP000015064	80	TDA5102	SP000013431	151
SPU03N60C3	SP000095849	80	TDA5102	SP000013432	151
SPU04N60C3	SP000095850	80	TDA5200	SP000016381	151
SPU08P06P	SP000012086	83	TDA5201	SP000012902	151



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
TDA5210	SP000016384	151	TLE4274 V10	SP000011811	106
TDA5211	SP000016390	151	TLE4274 V50	SP000011809	106
TDA5212	SP000013430	151	TLE4274 V85	SP000011810	106
TDA5220	SP000014342	151	TLE4274D V33	SP000011803	105
TDA5221	SP000014343	151	TLE4274D V50	SP000011801	106
TDA5230	SP000076520	151	TLE4274G V10	SP000011798	106
TDA5231	SP000202847	151	TLE4274G V50	SP000011796	106
TDA5250	SP000012956	151	TLE4274G V85	SP000011797	106
TDA5251	SP000014554	151	TLE4274GS V25	SP000011807	105
TDA5252	SP000057332	151	TLE4274GS V33	SP000011806	105
TDA5255	SP000014555	151	TLE4275	SP000011814	106
TDA7100	SP000296466	151	TLE4275D	SP000012151	106
TDA7200	SP000296473	151	TLE4275D V33	SP000262517	105
TDK5100	SP000014557	151	TLE4275G	SP000011818	106
TDK5100 F	SP000014745	151	TLE4275S	SP000011815	106
TDK5101	SP000014559	151	TLE4276 V10	SP000011834	106
TDK5101F	SP000014744	151	TLE4276 V50	SP000011832	106
TDK5110	SP000013532	151	TLE4276 V85	SP000011833	106
TDK5110 F	SP000056180	151	TLE4276D V50	SP000012198	106
TDK5111	SP000014017	151	TLE4276DV	SP000012197	105
TDK5111F	SP000056181	151	TLE4276G V10	SP000011823	106
TDK5116F	SP000056182	151	TLE4276G V50	SP000011821	106
TLE4205	SP000011746	103	TLE4276G V85	SP000011822	106
TLE4205G	SP000011747	103	TLE4276GV	SP000011824	105
TLE4206-2G	SP000014949	103	TLE4276S V50	SP000011829	106
TLE4206G	SP000011748	103	TLE4276S V85	SP000011830	106
TLE4207G	SP000011750	102	TLE4276SV	SP000011831	105
TLE4208G	SP000012143	102	TLE4276V	SP000011835	105
TLE4209A	SP000012194	103	TLE4278G	SP000011838	105
TLE4226G	SP000011756	97	TLE4279G	SP000011840	105
TLE4240-2M	SP000255105	108	TLE4279GM	SP000011845	105
TLE4240-3M	SP000255106	108	TLE4284D V15	SP000089571	105
TLE4241GM	SP000014624	108	TLE4284D V18	SP000063690	105
TLE4242G	SP000014456	108	TLE4284D V26	SP000054076	105
TLE4242G	SP000299340	108	TLE4284D V33	SP000014340	105
TLE4250-2G	SP000255450	108	TLE4284D V50	SP000017633	106
TLE4251D	SP000013042	108	TLE4284DV	SP000014339	105
TLE4251G	SP000013761	108	TLE4285G	SP000011850	105
TLE4252D	SP000014642	108	TLE4286G	SP000011851	105
TLE4253G	SP000253854	108	TLE4287G	SP000011854	106
TLE4254GA	SP000297354	108	TLE4290D	SP000012762	106
TLE4254GS	SP000297353	108	TLE4290G	SP000012763	106
TLE4262G	SP000011760	105	TLE4295G V26	SP000012503	105
TLE4262GM	SP000012365	105	TLE4295G V30	SP000012502	105
TLE4263G	SP000011762	105	TLE4295G V33	SP000012501	105
TLE4263GM	SP000012367	105	TLE4295G V50	SP000012500	105
TLE4263GS	SP000014278	105	TLE4296-2G V33	SP000014332	105
TLE4264-2G	SP000013989	107	TLE4296-2G V50	SP000014333	105
TLE4264G	SP000011765	105	TLE4296G V30	SP000012764	105
TLE4266-2G	SP000013991	107	TLE4296G V33	SP000012765	105
TLE4266-2GS V33	SP000013992	106	TLE4296G V50	SP000012766	105
TLE4266G	SP000011768	105	TLE4299G	SP000012770	107
TLE4266GS V10	SP000012431	106	TLE4299G V33	SP000056992	106
TLE4267	SP000012167	106	TLE4299GM	SP000013145	107
TLE4267G	SP000011774	106	TLE4299GM V33	SP000056991	106
TLE4267GM	SP000012506	106	TLE4305G	SP000011855	108
TLE4267S	SP000011771	106	TLE4307D V33	SP000012829	108
TLE4268G	SP000011777	105	TLE4307D V38	SP000012828	108
TLE4268GS	SP000011781	105	TLE4309G	SP000104963	108
TLE4269G	SP000011784	105	TLE4309G	SP000299342	108
TLE4269GL	SP000011789	105	TLE4470G	SP000011856	107
TLE4269GM	SP000011790	105	TLE4470GS	SP000011861	107
TLE4270	SP000011792	106	TLE4471G	SP000013144	107
TLE4270D	SP000012195	106	TLE4473G V52	SP000014119	107
TLE4270G	SP000011794	106	TLE4473G V53	SP000014118	107
TLE4270S	SP000011793	106	TLE4473G V55	SP000014117	107
TLE4271-2	SP000013201	106	TLE4473G V55-2	SP000295344	107
TLE4271-2G	SP000013203	106	TLE4476D	SP000012771	107
TLE4271-2S	SP000013202	106	TLE4484G	SP000012507	108

Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
TLE4726G	SP000011863	102	TLE6258-2G	SP000014969	109
TLE4727	SP000011864	102	TLE6258-2G	SP000297762	109
TLE4728G	SP000011866	102	TLE6259-2G	SP000014214	109
TLE4729G	SP000011867	102	TLE6259-2G	SP000316315	109
TLE4905L	SP000016544	150	TLE6263-3G	SP000262119	109
TLE4905L E6433	SP000016545	150	TLE6263-3G	SP000314997	109
TLE4906H	SP000012950	150	TLE6266G	SP000013996	109
TLE4906L	SP000012949	150	TLE6280GP	SP000012557	102
TLE4913	SP000013490	150	TLE6281G	SP000107818	102
TLE4917	SP000013477	150	TLE6282G	SP000081973	102
TLE4921-5U	SP000013593	150	TLE6284G	SP000083033	102
TLE4923	SP000011875	150	TLE6285G	SP000065800	109
TLE4925	SP000013753	150	TLE6286G	SP000065801	109
TLE4925C	SP000014169	150	TLE6287GP	SP000014090	102
TLE4925C-HT E6747	SP000269342	150	TLE6288R	SP000013727	97
TLE4935G	SP000011877	150	TLE6361G	SP000013297	108
TLE4935L	SP000016376	150	TLE6363G	SP000014251	108
TLE4941	SP000015115	150	TLE6365G	SP000013455	108
TLE4941-1	SP000014942	150	TLE6368G1	SP000015046	108
TLE4941-1C	SP000014553	150	TLE6368R	SP000014666	108
TLE4941C	SP000015116	150	TLE6389-2GV	SP000226821	108
TLE4942-1	SP000015067	150	TLE6389-3G V50	SP000226823	108
TLE4942-1C	SP000014552	150	TLE6389GV	SP000013787	108
TLE4945-2G	SP000011879	150	TLE6710Q	SP000013708	110
TLE4945-2L	SP000013154	150	TLE6711G	SP000012787	110
TLE4945L	SP000016546	150	TLE6712G	SP000013710	110
TLE4946-1L	SP000015003	150	TLE6714G	SP000013709	110
TLE4946H	SP000014640	150	TLE7183F	SP000065802	102
TLE4953	SP000278512	150	TLE7189F	SP000248208	102
TLE4953 C	SP000015141	150	TLE7209-2R	SP000014748	102
TLE4966H	SP000014532	150	TLE7209-2R	SP000294312	102
TLE4966L	SP000014135	150	TLE7230G	SP000311687	97
TLE4976-1H	SP000014722	150	TLE7230GS	SP000310471	97
TLE4976L	SP000012951	150	TLE7230R	SP000311685	97
TLE4990	SP000012542	150	TLE7231G	SP000297859	97
TLE4990 E6782	SP000014373	150	TLE7232G	SP000311690	97
TLE4997	SP000235288	150	TLE7232GS	SP000310472	97
TLE5011	SP000393517	150	TLE7233GS	SP000297860	97
TLE5205-2	SP000011886	102	TLE7259-2GE	SP000299877	109
TLE5205-2G	SP000011890	102	TLE7259-2GU	SP000304077	109
TLE5205-2GP	SP000011891	102	TLE7259G	SP000107527	109
TLE5205-2S	SP000011887	102	TLE7263E	SP000075929	109
TLE5206-2	SP000011892	102	TLE7270D	SP000014700	107
TLE5206-2G	SP000011894	102	TLE7270G	SP000055309	107
TLE5206-2GP	SP000011895	102	TLE7272D	SP000055847	107
TLE5206-2S	SP000011893	102	TLE7272G	SP000055848	107
TLE6208-3G	SP000012148	102	TLE7273 V50	SP000067155	107
TLE6208-6G	SP000012975	102	TLE7274D	SP000055849	107
TLE6209R	SP000013299	102	TLE7274G	SP000055850	107
TLE6210G B2	SP000013645	110	TLE7276D	SP000055851	107
TLE6211G-C1	SP000013647	110	TLE7276G	SP000055852	107
TLE6214L	SP000014123	97	TLE7368G	SP000104573	108
TLE6216G	SP000013652	97	TLE7469GV52	SP000014191	107
TLE6217G	SP000013947	97	TLE7469GV53	SP000017740	107
TLE6220GP	SP000011903	97	TLE7809	SP000268108	109
TLE6228GP	SP000012154	97	TLE7810G	SP000313890	109
TLE6230GP	SP000012169	97	TLE8201R	SP000107174	103
TLE6232GP	SP000012541	97			
TLE6240GP	SP000012171	97			
TLE6244X	SP000013785	97			
TLE6250G	SP000012832	109	V		
TLE6250G V33	SP000013959	109	VDSL6100i-E	SP000008186	9
TLE6250PG	SP000268119	109			
TLE6250PG V33	SP000278564	109			
TLE6251DS	SP000294173	109			
TLE6251G	SP000082094	109			
TLE6254-3G	SP000014156	109			
TLE6254-3G	SP000316313	109			
TLE6255G	SP000012141	109			



1

Communication

2

Microcontrollers

3

Power Semiconductors

4

Small Signal Discretes

5

Sensors

6

Chip Card + Security ICs

7

Summary of Types

Infineon Product Catalog for Distribution 2008

Published by Infineon Technologies AG

Ordering No. B192-H6780-G11-X-7600

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