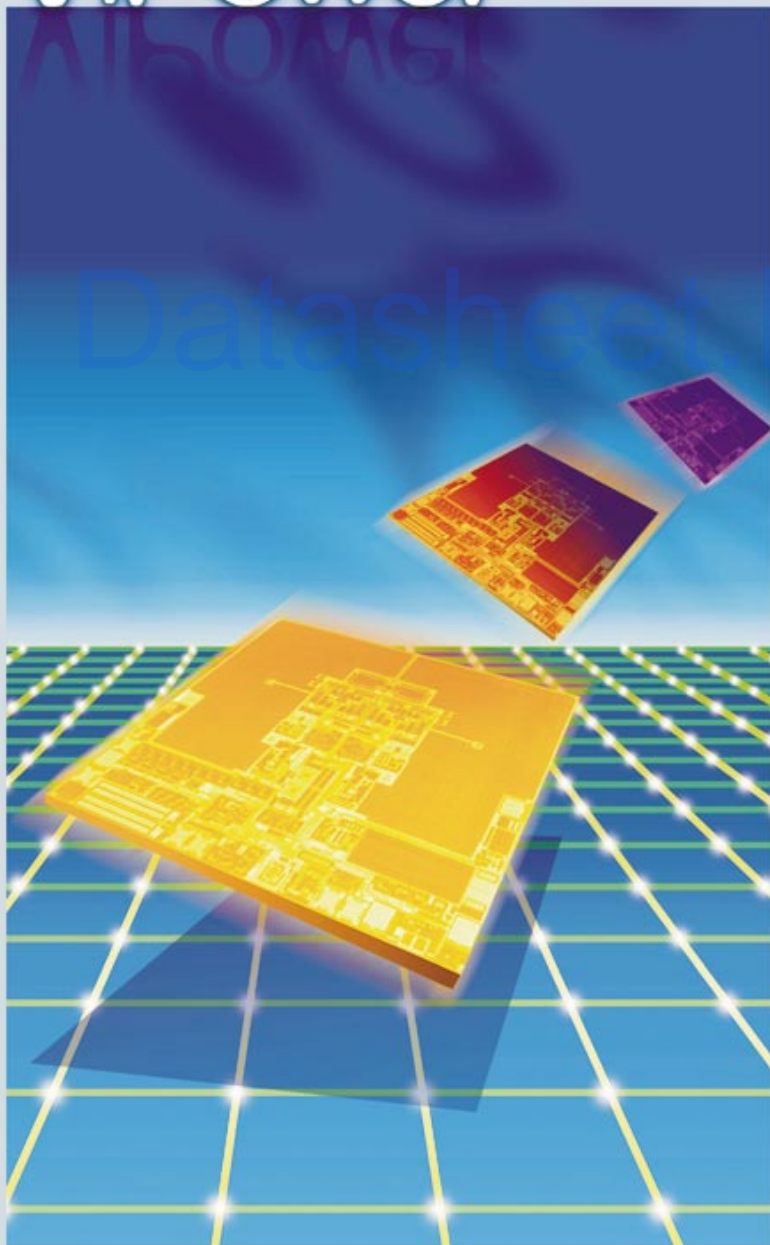


VI Power



Datasheet Di

Cross Reference Guide



April 2000

Switch Mode Power Supplies

Competition	ST nearest	ST advanced features
KA1H0165R	VIPer20	1• VIPer in PENTAWATT H.V., PowerSO-10 & DIP-8
KA1H0265R	VIPer50	1• VIPer in PENTAWATT H.V. & PowerSO-10; 2• Ron= 5Ω (VIPer50); Ron= 6Ω (KA1H0265); 3• Id=1.5A (VIPer50); Id=1.05A (KA1H0265).
KA1H0280R	VIPer50A	1• VIPer in PENTAWATT H.V. & PowerSO-10; 2• Ron=5.7Ω (VIPer50A); Ron=7Ω (KA1H0280); 3• Id=1.5A (VIPer50); Id=1.05A (KA1H0280); 4• BVdss=700V Avalanche Rugged (VIPer A type); BVdss=800V (KA1H0280R).
KA1H0365R	VIPer50	1• VIPer in PENTAWATT H.V. & PowerSO-10
KA1H0380R	VIPer50A	1• VIPer in PENTAWATT H.V. & PowerSO-10; 2• BVdss=700V Avalanche Rugged (VIPer A type) ;BVdss=800V (KA1H0380R).
KA1H0565R	VIPer100	1• VIPer in PENTAWATT H.V. & PowerSO-10
KA1H065RN	VIPer50	1• VIPer in PENTAWATT H.V. , PowerSO-10 2• Ron=5Ω (VIPer50); Ron=10Ω (KA1H065RN);
KA1H0680	VIPer100A	1• VIPer in PENTAWATT H.V. & PowerSO-10; 2• Id=3A (VIPer100A); 3• BVdss=700V Avalanche Rugged (VIPer A type); BVdss=800V (KA1H0680).
KA1L0365R	VIPer50	1• VIPer in PENTAWATT H.V. & PowerSO-10
KA1L0380	VIPer50A	1• VIPer in PENTAWATT H.V. & PowerSO-10; 2• BVdss=700V Avalanche Rugged (VIPer A type); BVdss=800V (KA1L0380).
KA1L0380R	VIPer50A	1• See KA1L0380
KA1L0680	VIPer100A	1• VIPer in PENTAWATT H.V. & PowerSO-10; 2• Id=3A (VIPer100A); 3• BVdss=700V Avalanche Rugged (VIPer A type); BVdss=800V (KA1L0680).
KA1L0880	VIPer100A	1• VIPer in PENTAWATT H.V. & PowerSO-10; 2• Id=3A (VIPer100A); 3• BVdss=700V Avalanche Rugged (VIPer A type); BVdss=800V (KA1L0880).
KA1M0265R	VIPer50	1• VIPer in PENTAWATT H.V. & PowerSO-10; 2• Ron=5Ω (VIPer50);Ron= 6Ω (KA1H0265R); 3• Id=1.5A (VIPer50); Id=1.05A (KA1H0265R).
KA1M0280	VIPer50A	1• VIPer in PENTAWATT H.V. & PowerSO-10; 2• Ron=5.7Ω (VIPer50A);Ron=7Ω (KA1M0280); 3• Id=1.5A (VIPer50A); Id=1.05A (KA1M0280); 4• BVdss=700V Avalanche Rugged (VIPer A type); BVdss=800V (KA1M0280).
KA1M0280R	VIPer50A	1• See KA1M0280
KA1M0365R	VIPer50	1• VIPer in PENTAWATT H.V. & PowerSO-10
KA1M0380	VIPer50A	1• VIPer in PENTAWATT H.V. & PowerSO-10; 2• BVdss=700V Avalanche Rugged (VIPer A type); BVdss=800V (KA1M0380).
KA1M0380R	VIPer50A	1• See KA1M0380
KA1M0565R	VIPer100	1• VIPer in PENTAWATT H.V. & PowerSO-10
KA1M0680	VIPer100A	1• VIPer in PENTAWATT H.V. & PowerSO-10; 2• Id=3A (VIPer100A); 3• BVdss=700V Avalanche Rugged (VIPer A type); BVdss=800V (KA1M0680).
KA1M0880	VIPer100A	1• VIPer in PENTAWATT H.V. & PowerSO-10; 2• Id=3A (VIPer100A); 3• BVdss=700V Avalanche Rugged (VIPer A type); BVdss=800V (KA1M0880).

Competition	ST nearest	ST advanced features
MC33370T MC33370TV	VIPer20/20A	1• VIPer in PENTAWATT H.V., PowerSO-10 & DIP-8
MC33371T MC33371TV	VIPer50/50A	1• VIPer in PENTAWATT H.V. & PowerSO-10; 2• Ron=5.0/5.7 Ω (VIPer50/A); Ron=9 Ω (MC33371T).
MC33372T MC33372TV	VIPer50/50A	1• VIPer in PENTAWATT H.V. & PowerSO-10; 1• Ron=5.0/5.7 Ω (VIPer50/A); Ron=6 Ω (MC33372T).
MC33373T MC33373TV	VIPer50/50A	1• Ron=5.0/5.7 Ω (VIPer50/A); Ron=4.5 Ω (MC33373T).
MC33374T MC33374TV	VIPer100/100A	1• VIPer in PENTAWATT H.V. & PowerSO-10; 2• Ron=2.8/2.5 Ω (VIPer100/100A); Ron=3.6 Ω (MC33374T).
TEA1501	VIPer20DIP	1• VIPer in PENTAWATT, PowerSO-10 & DIP-8; 2• VIPer20DIP Rds(on)=16W; TEA1501 Rds(on)=40W 3• VIPer20DIP Id=0.5A; TEA1501 Id=0.25A
TEA1562	VIPer20	1• VIPer in PENTAWATT, PowerSO-10 & DIP-8; 2• TEA1562 in DIP-16; 3• BVdss=620V Avalanche Rugged (VIPer20); BVdss=600V (TEA1562).
TEA1563	VIPer50	1• VIPer in PENTAWATT & PowerSO-10; 2• TEA1563 in SIL9P package (nine pins); 3• BVdss=620V Avalanche Rugged (VIPer50); BVdss=600V (TEA1562).
TEA1564	VIPer50	1• VIPer in PENTAWATT & PowerSO-10; 2• TEA1564 in SIL9P package (nine pins) 3• BVdss=620V Avalanche Rugged (VIPer50); BVdss=600V (TEA1564).
TEA1565	VIPer100	1• VIPer in PENTAWATT & PowerSO-10; 2• TEA1565 in SIL9P package (nine pins); 3• BVdss=620V Avalanche Rugged (VIPer100); BVdss=600V (TEA1565).
TEA1566	VIPer100	1• VIPer in PENTAWATT & PowerSO-10; 2• BVdss=620V Avalanche Rugged (VIPer100); BVdss=600V (TEA1566).
TNY253P/G	VIPer20ADIP VIPer20ASP VIPer20A	1• BVdss=700V Avalanche Rugged (VIPer100); BVdss=700V (TEA1566); 2• Settable frequency (R-C network); TNY253 fixed frequency 44KHz; 3• Duty cycle max 90% VIPer20A; max 67% TNY253; 4• Very low Rds(on); 5• Available in PENTAWATT, PowerSO-10, DIP-8.
TNY254P/G	VIPer20ADIP VIPer20ASP VIPer20A	1• BVdss=700V Avalanche Rugged (VIPer100); BVdss=700V (TEA1566); 2• Settable frequency (R-C network); TNY253 fixed frequency 44KHz; 3• Duty cycle max 90% VIPer20A; max 67% TNY253; Very low Rds(on); 4• Available in PENTAWATT, PowerSO-10, DIP-8.
TNY255P/G	VIPer20ADIP VIPer20ASP VIPer20A	1• BVdss=700V Avalanche Rugged (VIPer20); BVdss=700V (TNY255P/G); 2• Settable frequency (R-C network) max 200KHz; TNY255 fixed frequency 130KHz; 3• Duty cycle max 90% VIPer20A; max 67% TNY255; Very low Rds(on); 4• VIPer20A available in PENTAWATT, PowerSO-10, DIP-8.
TNY256Y/P/G	VIPer20ADIP VIPer20ASP	1• BVdss=700V Avalanche Rugged (VIPer20); BVdss=700V (TNY256Y/P/G); 2• Settable frequency (R-C network) max 200KHz; TNY256 fixed frequency 130KHz; 3• VIPer20A Duty cycle max 90% VIPer20A; max 67% TNY256; 4• VIPer20A available in PENTAWATT, PowerSO-10, DIP-8.
TOP100YAI	VIPer20B/SP	1• BVdss=400V (VIPer20B/SP); BVdss=350V (TOP100YAI)
TOP101YAI	VIPer50/SP	1• BVdss=620V Avalanche Rugged(VIPer50/SP); BVdss=350V (TOP101YAI)
TOP102YAI	VIPer100/SP	1• BVdss=620V Avalanche Rugged(VIPer100/SP); BVdss=350V (TOP102YAI).
TOP103YAI	VIPer100/SP	1• BVdss=620V Avalanche Rugged(VIPer100/SP); BVdss=350V (TOP103YAI).
TOP103YAI	VIPer100B	1• BVdss=400V Avalanche Rugged(VIPer100B); BVdss=350V (TOP103YAI); 2• Ron=1.1 Ω (VIPer100B); Ron=2.4 Ω (TOP103YAI); 3• VIPer100B Id=6A; TOP103YAI Id=4A.
TOP104YAI	VIPer100B	1• BVdss=400V Avalanche Rugged (VIPer100B); BVdss=350V (TOP104YAI); 2• Ron=1.1 Ω (VIPer100B); Ron=2.0 Ω (TOP104YAI); 3• VIPer100B Id=6A; TOP104YAI Id=4.6A.

Competition	ST nearest	ST advanced features
TOP200YAI	VIPer20/20A	1• Ron=16/18 Ω (VIPer20/A); Ron=18 Ω (TOP200YAI).
TOP201YAI	VIPer50/50A	1• Ron=5.0/5.7 Ω (VIPer50/A); Ron=9 Ω (TOP201YAI).
TOP202YAI	VIPer50/50A	1• Ron=5.0/5.7 Ω (VIPer50/A); Ron=6 Ω (TOP202YAI).
TOP203YAI	VIPer50/50A	1• Ron=5.0/5.7 Ω (VIPer50/A); Ron=4.5 Ω (TOP203YAI).
TOP204YAI	VIPer100/100A	1• Ron=2.5/2.8 Ω (VIPer100/A); Ron=3.0 Ω (TOP204YAI).
TOP209P	VIPer20DIP/ADIP	1• Ron=16 Ω (VIPer20ADIP); Ron=36 Ω (TOP209P) 2• BVdss=620V & 700V Avalanche Rugged(VIPer20DIP/20ADIP); 3• BVdss=350V (TOP209P).
TOP209G	VIPer20DIP/ADIP	1• See TOP209P
TOP210PFI	VIPer20DIP/ADIP	1• VIPer20DIP/ADIP & TOP210PFI in DIP-8; 2• Ron=16 Ω (VIPer20ADIP); Ron=36 Ω (TOP209PFI) 3• BVdss=620V & 700V Avalanche Rugged(VIPer20DIP/20ADIP); 4• BVdss=350V (TOP102YAI).
TOP210G	VIPer20DIP/ADIP	1• See TOP210PFI
TOP214YAI	VIPer100/100A	1• Ron=2.5/2.8Ω (VIPer100/100A); Ron=3.6Ω (TOP214YAI).
TOP221P	VIPer20/20A	1• BVdss=620V & 700V Avalanche Rugged (VIPer20DIP/20ADIP); 2• BVdss=700V (TOP222P/Y/G).
TOP221Y	VIPer20/20A	1• BVdss=620V & 700V Avalanche Rugged (VIPer20DIP/20ADIP); 2• BVdss=700V (TOP222P/Y/G).
TOP222P/Y	VIPer20/20A	1• BVdss=620V & 700V Avalanche Rugged (VIPer20DIP/20ADIP); 2• BVdss=700V (TOP222P/Y/G).
TOP222G	VIPer20/20ADIP	1• BVdss=620V & 700V Avalanche Rugged (VIPer20DIP/20ADIP); 2• BVdss=700V (TOP222P/Y/G).
TOP223P	VIPer50/50A	1• Ron=5.0/5.7Ω (VIPer50/50A); Ron=9.0Ω (TOP223P/Y/G)
TOP223G	VIPer50/50A	2• BVdss=620V & 700V Avalanche Rugged (VIPer50/50A); 3• BVdss=700V (TOP223P/Y/G).
TOP223Y	VIPer50/50A	2• BVdss=620V & 700V Avalanche Rugged (VIPer50/50A); 3• BVdss=700V (TOP223P/Y/G).
TOP224P/G/Y	VIPer50/50A	1• See TOP223P
TOP225Y	VIPer100/100A	1• BVdss=620V & 700V Avalanche Rugged (VIPer100/100A); 2• BVdss=700V (TOP225P/Y/G).
TOP226Y	VIPer100A	1• See TOP225Y 2• Ron=2.8 Ω (VIPer100A); Ron=3.6 Ω (TOP226Y).
TOP227Y	VIPer100A	1• See TOP225Y Ron=2.8 Ω (VIPer100A); Ron=3.0 Ω (TOP227Y).
TOP412G	VIPer50B	1• BVdss=400V Avalanche Rugged (VIPer50B); BVdss=350V (TOP412G); 2• Settable frequency up to 200 KHz (VIPer50B); fixed frequency at 120 KHz (TOP412G); 3• Ron=2.2 Ω (VIPer50B); Ron= 3 Ω (TOP412G); 4• VIPer50B Id=3A; TOP412G Id=2.9A.
TOP414G	VIPer100B	1• BVdss=400V Avalanche Rugged (VIPer100B); BVdss=350V (TOP414G); 2• Settable frequency up to 200 KHz (VIPer100B); fixed frequency at 120 KHz (TOP414G); 3• Ron=1.1Ω (VIPer100B); Ron= 2 Ω (TOP414G); 4• VIPer100B Id=3A; TOP414G Id=4.95A.

Package options: TOP412-414: G is for SMD-8.

Common Characteristics

KA & VIPer

KA1HXXX	KA1LXXX	KA1MXXX	VIPerXXX	Characteristics
Fixed 100KHz	Fixed 50KHz	Fixed 70KHz	settable (R-C network)	Frequency
Max 67%	Max 67%	Max 67%	0-90%	Duty cycle
10V	10V	10V	8V	Under Voltage
15V	15V	15V	4.7V	Threshold Voltage

KA series is in TO-220F package (four pins)

MC & VIPer

MC3337XX	VIPerXXX	Characteristics
Fixed 100KHz	settable (R-C network)	Frequency
1.7 - 67%	0 - 90%	Duty cycle
10V	8V	Under Voltage
5.7V	4.7V	Threshold Voltage
NOT	YES	Avalanche rugged

MC series with package options: T/TV for PENTAWATT in line/H.V.

TOP & VIPer

TOPXX	VIPerXXX	Characteristics
Fixed 100KHz	settable (R-C network)	Frequency
1.7 - 67%	0 - 90%	Duty cycle
10V	8V	Under Voltage
5.7V	4.7V	Threshold Voltage

Package options: TOP222-227: P is for TO-220, G for DIP-8, Y for SMD DIP-8;
TOP100-4/209-210 : YAI for TO-220, P for DIP-8, G for SMD-8 .

High Side Switches

Competition	ST nearest	ST advanced features
BSP450	VN800S VN800PT	<ol style="list-style-type: none"> 1. VN800 with Status pin, BSP450 without Status; 2. Lower $R_{ds(on)}$; 3. Open load detection in ON and OFF state; 4. Available in SO-8 & PPAK.
BSP452	VN800S VN800PT	<ol style="list-style-type: none"> 1. VN800 with Status pin, BSP452 without Status; 2. Lower $R_{ds(on)}$; 3. Open load detection in ON and OFF state; 4. Available in SO-8 & PPAK.
BSP452T	VN800S VN800PT	<ol style="list-style-type: none"> 1. VN800 with Status pin, BSP452T without Status; 2. Lower $R_{ds(on)}$; 3. Open load detection in ON and OFF state; 4. Available in SO-8 & PPAK.
BSP550	VN800S VN800PT	<ol style="list-style-type: none"> 1. VN800 with Status pin; BSP550 without Status; 2. Lower $R_{ds(on)}$; 3. Open load detection in ON and OFF state; 4. Available in SO-8 & PPAK.
BSP752T	VN800S VN800PT	<ol style="list-style-type: none"> 1. VN800 with Status pin; BSP752T without Status; 2. Lower $R_{ds(on)}$; 3. Open load detection in ON and OFF state; 4. Available in SO-8 & PPAK.
BSP762T	VN750/750-B5 VN750S	<ol style="list-style-type: none"> 1. VN750 with Status pin; 2. Open load detection in ON and OFF state; 3. Lower $R_{ds(on)}$; 4. Available in SO-8, PENTAWATT, P²PAK.
BSP772T	VN750/750-B5 VN750S	<ol style="list-style-type: none"> 1. VN750 with Status pin; 2. Open load detection in ON and OFF state; 3. Lower $R_{ds(on)}$; 4. Available in SO-8, PENTAWATT, P²PAK.
BTS307	VN06 VN06SP	<ol style="list-style-type: none"> 1. Lower $R_{ds(on)}$ 2. Available in PENTAWATT & PowerSO-10.
BTS307	VN02AN VN02ANSP	<ol style="list-style-type: none"> 3. Available in PENTAWATT & PowerSO-10
BTS308	VN02AN VN02ANSP	<ol style="list-style-type: none"> 1. Available in PowerSO-10, PENTAWATT.
BTS409L1	VN05H/SP VN06/SP	<ol style="list-style-type: none"> 1. Lower $R_{ds(on)}$; 2. Available in PowerSO-10, PENTAWATT.
BTS409L1	VN800S VN800PT	<ol style="list-style-type: none"> 3. Lower $R_{ds(on)}$; 4. Open load detection in ON and OFF state; 5. Available in SO-8 & PPAK.
BTS410D2	VN05H/SP VN06/SP	<ol style="list-style-type: none"> 1. Lower $R_{ds(on)}$; 2. Available in PowerSO-10, PENTAWATT.
BTS410D2	VN800S VN800PT	<ol style="list-style-type: none"> 3. Lower $R_{ds(on)}$; 4. Open load detection in ON and OFF state; 5. Available in SO-8 & PPAK.
BTS410E2	VN05H/SP VN06/SP	<ol style="list-style-type: none"> 1. See BTS409L1
BTS410E2	VN800S VN800PT	<ol style="list-style-type: none"> 1. Lower $R_{ds(on)}$; 2. Open load detection in ON and OFF state; 3. Available in SO-8 & PPAK.
BTS412B2	VN05H/SP VN06/SP	<ol style="list-style-type: none"> 1. Lower $R_{ds(on)}$; 2. Available in PowerSO-10, PENTAWATT.
BTS412B2	VN800S	<ol style="list-style-type: none"> 3. Lower $R_{ds(on)}$; 4. Available in SO-8.
BTS425L1	VN16B/SP VN21/SP	<ol style="list-style-type: none"> 1. Available in PENTAWATT & PowerSO-10 (SP version). 2. VN540 is recommended for industrial applications;
BTS425L1	VN540/SP	<ol style="list-style-type: none"> 3. Lower $R_{ds(on)}$; 4. Available in PENTAWATT & PowerSO-10.
BTS426L1	VN16B/SP VN21/SP	<ol style="list-style-type: none"> 1. See BTS425L1 2. VN540 is recommended for industrial applications;
BTS426L1	VN540/SP	<ol style="list-style-type: none"> 3. Lower $R_{ds(on)}$; 4. Available in PENTAWATT & PowerSO-10.
BTS428L2	VN750/750-B5 VN750S	<ol style="list-style-type: none"> 1. Open load detection in ON and OFF state; 2. Available in PENTAWATT, P²PAK, SO-8.
BTS430K2	VN31/SP VN30N/SP	<ol style="list-style-type: none"> 1. Lower $R_{ds(on)}$ 2. Available in PENTAWATT & PowerSO-10.

Competition	ST nearest	ST advanced features
BTS432E2	VN31/SP VN30N/SP	1. See BTS430K2
BTS436L2	VN820/820-B5 VN820PT/SP	1. Will be available in PENTAWATT, PPAK, P ² PAK, PowerSO-10; 2. Open load detection in ON and OFF state; 3. Open load detection in ON and OFF state;.
BTS436L2	VN31/SP VN30N/SP	4. Lower R _{ds(on)} ; 5. Available in PENTAWATT & PowerSO-10
BTS441T	VN920/SP VN920-B5	1. Lower R _{ds(on)} ; 2. Open load detection in ON and OFF state; 3. Will be available in PENTAWATT , PowerSO-10, P ² PAK.
BTS441T	VN460SP	1. Output current limited at 25A; 2. Available in PowerSO-10.
BTS442E2	VN460SP	1. Output current limited at 25A; 2. Available in PowerSO-10.
BTS443P	VN920/SP VN920-B5	1. Lower R _{ds(on)} ; 2. Open load detection in ON and OFF state; 3. Will be available in PENTAWATT, PowerSO-10, P ² PAK.
BTS443P	VN460SP	1. Output current limited at 25A; 2. Available in PowerSO-10.
BTS452T	VN800S VN800PT	1. Lower R _{ds(on)} ; 2. Open load detection in ON and OFF state; 3. Available in SO-8 & PPAK.
BTS452T	VN05H/SP VN06/SP	4. Lower R _{ds(on)} ; 5. Available in PowerSO-10 & PENTAWATT.
BTS462T	VN750/750-B5 VN750S	1. Lower R _{ds(on)} ; 2. Open load detection in ON and OFF state; 3. Available in PENTAWATT, P ² PAK, SO-8.
BTS630	VN750/750-B5 VN750S	1. Output current limited at 6A; 2. Open load detection in ON and OFF state; 3. Lower R _{ds(on)} ; 4. Will be available in SO-8, P ² PAK, PENTAWATT.
BTS630	VN16B/SP	5. Output current limited at 6A; 6. Lower R _{ds(on)} 7. Available in PENTAWATT & PowerSO-10
BTS640S2	VN920/920-B5 VN920SP	1. Proportional load current sense; 2. Protection against loss of ground; 3. Lower R _{ds(on)} ; 4. Will be available in PowerSO-10, PENTAWATT, P ² PAK.
BTS640S2	VN31/SP	1. Available in PowerSO-10 & PENTAWATT.
BTS650P	VN610SP	1. Output current limited at 45A; 2. Proportional load current sense; 3. Will be available in PowerSO-10.
BTS660P	VN610SP	1. Output current limited at 45A; 2. Proportional load current sense; 3. Will be available in PowerSO-10.
BTS730	VN750/750-B5 VN750S	1. Output current limited at 6A; 2. Openload detection in ON and OFF state; 3. Protection against loss of ground; 4. Will be available in SO-8, P ² PAK, PENTAWATT.
BUK200-50X BUK200-50Y	VN750/750-B5 VN750S	1. Output current limited at 6A; 2. Open load detection in ON and OFF state; 3. Protection against loss of ground; 4. Lower R _{ds(on)} ; 5. Will be available in SO-8, P ² PAK, PENTAWATT.
BUK200-50X BUK200-50Y	VN16B/SP	6. Output current limited at 6A; 7. Available in PENTAWATT & PowerSO-10.
BUK201-50X BUK201-50Y BUK201-50X BUK201-50Y	VN750/750-B5 VN750S VN16B/SP	1. See BUK200-50X/50Y 1. See BUK200-50X/50Y
BUK202-50X BUK202-50Y	VN31/SP VN30N/SP	1. Lower R _{ds(on)} ; 2. Available in PENTAWATT & PowerSO-10.

High Side Switches contd.

Competition	ST nearest	ST advanced features
BUK203-50X BUK203-50Y	VN800S VN800PT	<ol style="list-style-type: none"> 1. Output current limited at 0.7A; 2. Protection against loss of ground; 4. Lower Rds(on); 5. Available in SO-8 & PPAK.
BUK203-50X BUK203-50Y	VN06H/SP VN05H/SP VN05N/SP	<ol style="list-style-type: none"> 6. Lower Rds(on); 7. Available in PENTAWATT & PowerSO-10.
BUK204-50X BUK204-50Y	VN750/750-B5 VN750S	<ol style="list-style-type: none"> 1. BUK204-50X & BUK204-50Y are SMD version of BUK200-50X & BUK200-50Y; 2. Output current limited at 6A; 3. Open load detection in ON and OFF state; 4. Protection against loss of ground; 5. Lower Rds(on); 6. Available in SO-8, P²PAK, PENTAWATT.
BUK205-50X BUK205-50Y	VN750/750-B5 VN750S	<ol style="list-style-type: none"> 1. BUK205-50X & BUK205-50Y are SMD version of BUK201-50X & BUK201-50Y; 2. Available in SO-8, P²PAK, PENTAWATT
BUK206-50X BUK206-50Y	VN31/SP	<ol style="list-style-type: none"> 1. BUK206-50X & BUK206-50Y are SMD version of BUK202-50X & BUK202-50Y; 2. Output current limited at 11.5A(ISO); 3. Lower Rds(on) 4. Available in PENTAWATT & PowerSO-10.
BUK207-50X	VN800S	<ol style="list-style-type: none"> 1. BUK207-50X & BUK207-50Y are SMD versions of BUK203-50X & BUK203-50Y
BUK207-50Y	VN800PT	<ol style="list-style-type: none"> 1. Output current limited at 0.7A; 2. Open load detection in ON and OFF state; 3. Protection against loss of ground; 4. Lower Rds(on); 5. Available in SO-8 & PPAK.
IPS511/S/G	VN800S	<ol style="list-style-type: none"> 1. Output current limited at 0.7A; 2. Overvoltage and undervoltage protections; 3. Protection against loss of ground; 4. Available in SO-8; IPS511 available in PENTAWATT, P²PAK (IPS511S), SO-8 (IPS511G).
IPS511/S/G	VN06/SP VN05H/SP	<ol style="list-style-type: none"> 5. Lower Rds(on); 6. Output current limited at 9A (VN06/SP) and at 12A (VN05H/SP); 7. 5A (IPS511S/G) 8. Available in PENTAWATT & PowerSO-10; IPS511 available in PENTAWATT, P²PAK (IPS511S), SO-8 (IPS511G).
IPS521/S/G	VN750/750-B5 VN750S	<ol style="list-style-type: none"> 1. Proportional load current sense; 2. Protection against loss of ground; 3. Undervoltage and overvoltage protection; 4. Lower Rds(on); 5. Available in PENTAWATT, P²PAK, SO-8; IPS521 available in PENTAWATT, P²PAK (IPS521S), SO-8 (IPS521G).
IPS5451/S	VN460SP	<ol style="list-style-type: none"> 1. Lower Rds(on); 2. Output current limited at 25A; 3. Available in PowerSO-10; IPS5451 available in PENTAWATT & P²PAK (IPS5451S)

Multi-Switch High Side Drivers

Competition	ST nearest	ST advanced features
BTS610L1 BTS610L1	VND05B/SP VND810SP	<ol style="list-style-type: none"> 1. Available in HEPTAWATT & PowerSO-10 2. Output current 3.5A; 3. Lower Rds(on); 4. Will be available in PowerSO-10.
BTS611L1 BTS611L1	VND05B/SP VND810SP	<ol style="list-style-type: none"> 1. See BTS610L1 2. See BTS610L1
BTS612N1 BTS612N1	VND05B/SP VND810SP	<ol style="list-style-type: none"> 1. See BTS610L1 2. See BTS610L1
BTS620L1	VND10B/SP	<ol style="list-style-type: none"> 1. Available in HEPTAWATT & PowerSO-10.
BTS621L1	VND10B/SP	<ol style="list-style-type: none"> 1. See BTS620L1
BTS707L1	VND05B/SP	<ol style="list-style-type: none"> 1. Lower Rds(on); 2. Available in HEPTAWATT & PowerSO-10.
BTS707L1	VND810SP	<ol style="list-style-type: none"> 3. Lower Rds(on); 4. Will be available in PowerSO-10.
BTS710L1	VN330SP VN340SP	<ol style="list-style-type: none"> 1. VN340SP is recommended for industrial applications; 2. Available in PowerSO-10.

Multi-switch High Side Drivers

Competition	ST nearest	ST advanced features
BTS710L1	VNQ810	1. Output current 3.5A; 2. Lower $R_{ds(on)}$; 3. Will be available in SO-28.
BTS711L1	VN330SP VN340SP	1. See BTS710L1
BTS711L1	VNQ810	1. See BTS710L1
BTS712N1	VN330SP VN340SP	1. See BTS710L1
BTS712N1	VNQ810	1. See BTS710L1
BTS721L1	VNQ830	1. Output current 6A(per channel); 2. Lower $R_{ds(on)}$; 3. Will be available in SO-28.
BTS721L1	VNQ660SP	4. Output current 6A(per channel); 5. Lower $R_{ds(on)}$; 6. Will be available in PowerSO-10.
BTS723	VNQ660SP VNQ830	1. Output current 6A(per channel); 2. Lower $R_{ds(on)}$; 3. Will be available in SO-28 (VNQ830); PowerSO-10 (VNQ660SP).
BTS725L1	VND830/SP	1. Output current 6A(per channel); 2. Will be available in PowerSO-10 & SO-16.
BTS725L1	VND10B/SP	3. Available in HEPTAWATT & PowerSO-10
BTS726L1	VND10B/SP	1. See BTS725L1
BTS726L1	VND830/SP	2. See BTS725L1
BTS728L2	VND830/SP	1. Output current 6A(per channel); 2. Will be available in PowerSO-10 & SO-16.
BTS733L1	VND600SP	1. Proportional load current sense; 2. Lower $R_{ds(on)}$; 3. Available in PowerSO-10.
BTS733L1	VND670SP	4. Lower $R_{ds(on)}$; 5. Available in PowerSO-10.
BTS734L1	VND600SP VND670SP	1. See BTS733L1
BTS735N1	VND600SP	1. Proportional load current sense; 2. Lower $R_{ds(on)}$; 3. Available in PowerSO-10.
BTS736L2	VND600SP	1. Proportional load current sense; 2. Lower $R_{ds(on)}$; 3. Available in PowerSO-10.
BTS737S2	VNQ600	1. Proportional load current sense; 2. Lower $R_{ds(on)}$; 3. Available in SO-28.
BTS740S2	VND600SP	1. Proportional load current sense; 2. Lower $R_{ds(on)}$; 3. Available in PowerSO-10.
BTS840S2	VND600SP	1. Proportional load current sense; 2. Available in PowerSO-10.
IPS512G	VND10B/SP	1. Lower $R_{ds(on)}$; 2. Current limitation at 14A; IPS512G at 5A; 3. Available in HEPTAWATT & PowerSO-10; IPS512G in SO-16.

High Side Switches Multiple Channel

Unique
to ST

NONE	VND610	1. Double high side solid state relay; 2. Output current limited at 45A; 3. $R_{on}=10m\Omega$; 4. Proportional load current sense; 5. Will be available in SO-28.
NONE	VNQ600	1. Quad high side solid state relay; 2. Output current limited at 7A; 3. $R_{on}=35m\Omega$; 4. Proportional load current sense; 5. Will be available in SO-28.

Low Side Switches

Competition	ST nearest	ST advanced features
BSP75	VND1NV04/04-1 VNN1NV04 VNS1NV04	<ol style="list-style-type: none"> 1• Output clamped (40V); 2• Lower Rds(on); 3• Available in SOT-223, SO-8, DPAK, IPAK; BSP75 in SOT-223.
BSP76	VND1NV04/04-1 VNN1NV04 VNS1NV04	<ol style="list-style-type: none"> 1• Output clamped (40V) 2• Available in SOT-223, SO-8, DPAK, IPAK; BSP76 in SOT-223.
BSP77	VND3NV04/04-1 VNN3NV04 VNS3NV04	<ol style="list-style-type: none"> 1• Output clamped (40V); 2• Available in SOT-223, SO-8, DPAK, IPAK; BSP77 in SOT-223.
BSP78	VND7NV04/04-1 VNN7NV04 VNS7NV04	<ol style="list-style-type: none"> 1• Output clamped (40V); 2• Available in SOT-223, SO-8, DPAK, IPAK, BSP78 in SOT-223.
BTS110	VND5N07/07-1 VNP5N07/FI VNK5N07FM	<ol style="list-style-type: none"> 1• Output clamped (70V); 2• Input clamped (-0.3V); 3• Linear current limitation at 5A; 4• Available in TO-220, ISOWATT220, DPAK, IPAK, SOT-82FM; BTS110 in TO-220.
BTS112A	VND7N04/04-1 VNP7N04/FI VNK7N04FM	<ol style="list-style-type: none"> 1• Output clamped (42V); 2• Input clamped (-0.3V); 3• Linear current limitation at 7A; 4• Lower Rds(on); 5• Available in TO-220, ISOWATT220, DPAK, IPAK, SOT-82FM; BTS112A in TO-220.
BTS112A	VND3NV04/04-1 VNN3NV04 VNS3NV04	<ol style="list-style-type: none"> 6• Output clamped (40V); 7• Linear current limitation at 7A; 8• Lower Rds(on); 9• Available in SOT-223, SO-8, DPAK, IPAK; BTS112A in TO-220.
BTS113A	VND5N07/07-1 VNP5N07/FI VNK5N07FM	<ol style="list-style-type: none"> 1• Output clamped (70V); 2• Input clamped (-0.3V); 3• Linear current limitation at 5A; 4• Available in TO-220, ISOWATT220, SOT-82FM, DPAK, IPAK; BTS113A in TO-220.
BTS113A	VND3NV04/04-1 VNN3NV04 VNS3NV04	<ol style="list-style-type: none"> 5• Output clamped (40V); 6• Linear current limitation at 3A; 7• Lower Rds(on); 8• Will be available in SOT-223, SO-8, DPAK, IPAK; BTS113A in TO-220.
BTS114A	VNP10N07/FI VNB10N07 VNV10N07 VNK10N07FM	<ol style="list-style-type: none"> 1• Output clamped (70V); 2• Input clamped (-0.3V); 3• Available in TO-220, ISOWATT220, PowerSO-10, D²PAK, SOT-82FM; BTS114A in TO-220. 4• Output clamped (40V);
BTS114A	VNS7NV04 VNN7NV04	<ol style="list-style-type: none"> 5• Lower Rds(on); 6• Linear current limitation at 7A;
BTS115A	VND7NV04/04-1 VNP10N07 VNB10N07	<ol style="list-style-type: none"> 7• Available in SOT-223, SO-8, DPAK, IPAK; BTS114A in TO-220. 1• Output clamped (70V); 2• Input clamped (-0.3V); 3• Lower Rds(on); 4• Linear current limitation at 10A; 5• Available in TO-220, ISOWATT220, PowerSO-10, D²PAK, SOT-82FM.
BTS115A	VND3NV04/04-1 VNN3NV04 VNS3NV04	<ol style="list-style-type: none"> 6• Output clamped (40V); 7• Linear current limitation at 3A; 8• Available in SOT-223, SO-8, DPAK, IPAK; BTS115A in TO-220.
BTS116	VNB14N04 VNK14N04FM VNP14N04/FI VNV14N04	<ol style="list-style-type: none"> 2• Output clamped (42V); 3• Input clamped (-0.3V); 4• Available in TO-220, ISOWATT220, PowerSO-10.
BTS116	VND7NV04/04-1 VNP7NV04 VNS7NV04	<ol style="list-style-type: none"> 5• Output clamped (40V); 6• Linear current limitation at 7A; 7• Available in TO-220, SO-8, DPAK, IPAK.
BTS117	VNP10N07/FI VNB10N07 VNK10N07FM VNV10N07	<ol style="list-style-type: none"> 1• Output clamped (70V); 2• Linear current limitation at 10A; 3• No latched overload protection; 4• Available in ISOWATT220, SOT-82FM, DPAK, IPAK, TO-220; BTS117 in TO-220.
BTS117	VNN7NV04 VNS7NV04 VND7NV04/04-1	<ol style="list-style-type: none"> 5• Output clamped (42V); 6• Linear current limitation at 7A; 7• Lower Rds(on); No latched overload protection; 8• Available in SOT-223, SO-8, DPAK, IPAK; BTS117 in TO-220.

Competition ST nearest ST advanced features

BTS118D	VNP10N07/FI VNB10N07 VNV10N07 VNK10N07FM	<ol style="list-style-type: none"> 1. Output clamped (70V); 2. Linear current limitation at 10A; 3. No latched overload protection; 4. Available in ISOWATT220, SOT-82FM, DPAK, IPAK, TO-220; BTS118D in DPAK.
BTS118D	VNN7NV04 VNS7NV04 VND7NV04/04-1	<ol style="list-style-type: none"> 5. Output clamped (42V); 6. Linear current limitation at 7A; 7. Lower Rds(on); 8. No latched overload protection; 9. Available in SOT-223, SO-8, DPAK, IPAK; BTS118D in DPAK.
BTS120	VNB10N07 VNP10N07/FI VNK10N07FM VNV10N07	<ol style="list-style-type: none"> 1. Output clamped (70V); 2. Input clamped (-0.3V); 3. Available in TO-220, ISOWATT220, D²PAK, SOT-82FM, PowerSO-10; BTS120 in TO-220.
BTS120	VNN7NV04 VNS7NV04 VND7NV04/04-1	<ol style="list-style-type: none"> 4. Output clamped (42V); 5. Linear current limitation at 7A; 6. Lower Rds(on); No latched overload protection; 7. Available in SOT-223, SO-8, DPAK, IPAK; BTS120 in TO-220.
BTS121A	VNB10N07 VNP10N07/FI VNK10N07FM VNV10N07	<ol style="list-style-type: none"> 1. Output clamped (70V); 2. Input clamped (-0.3V); 3. Available in TO-220, ISOWATT220, D²PAK, SOT-82FM, PowerSO-10; BTS121A in TO-220.
BTS121A	VNN7NV04 VNS7NV04 VND7NV04/04-1	<ol style="list-style-type: none"> 4. Output clamped (42V); 5. Linear current limitation at 7A; 6. Lower Rds(on); 7. No latched overload protection; 8. Available in SOT-223, SO-8, DPAK, IPAK; BTS121 in TO-220.
BTS129	VNP20N07/FI VNB20N07 VNV20N07	<ol style="list-style-type: none"> 1. Output clamped (70V); 2. Input clamped (-0.3V); 3. Lower Rds(on); 4. Linear current limitation at 20A; 5. Available in TO-220, ISOWATT220, PowerSO-10, D²PAK; BTS129 in TO-220.
BTS129	VND7NV04/04-1 VNN7NV04 VNS7NV04	<ol style="list-style-type: none"> 6. Output clamped (40V); 7. Linear current limitation at 7A; 8. Available in SOT-223, SO-8, DPAK, IPAK; BTS129 in TO-220.
BTS130	VNP20N07/FI VNB20N07 VNV20N07	<ol style="list-style-type: none"> 1. See BTS129
BTS130	VND7NV04/04-1 VNN7NV04 VNS7NV04	<ol style="list-style-type: none"> 1. Output clamped (40V); 2. Linear current limitation at 7A; 3. Available in SOT-223, SO-8, DPAK, IPAK; BTS130 in TO-220.
BTS131	VND7NV04/04-1 VNS7NV04 VNN7NV04	<ol style="list-style-type: none"> 1. Output clamped (40V); 2. Linear current limitation at 7A; 3. Available in SOT-223, SO-8, DPAK, IPAK; BTS131 in TO-220.
BTS132	VND7NV04/04-1 VNS7NV04 VNN7NV04	<ol style="list-style-type: none"> 1. Output clamped (40V); 2. Linear current limitation at 7A; 3. Available in SOT-223, SO-8, DPAK, IPAK; BTS132 in TO-220.
BTS133	VNP20N07/FI VNB20N07 VNV20N07	<ol style="list-style-type: none"> 1. Output clamped (70V) (BTS133 clamped at 60V); 2. No latched overload protection; 3. Available TO-220, ISOWATT220, PowerSO-10, D²PAK.
BTS133	VNN7NV04 VNS7NV04 VND7NV04/-1	<ol style="list-style-type: none"> 1. Output clamped (40V); 2. No latched overload protection; 3. Available in SOT-223, SO-8, DPAK, IPAK.
BTS134D	VNP20N07/FI VNB20N07 VNV20N07	<ol style="list-style-type: none"> 1. See BTS133;
BTS134D	VNP20N07/FI VNB20N07 VNV20N07	<ol style="list-style-type: none"> 1. See BTS133;
BTS136	VNP28N04 VNB28N04	<ol style="list-style-type: none"> 1. Output clamped (42V); 2. Available in TO-220, ISOWATT220, PowerSO-10, D²PAK.
BTS140A	VNP35N07/FI VNB35N07 VNV35N07	<ol style="list-style-type: none"> 1. Output clamped (70V) (BTS140A clamped at 50V); 2. Input clamped (-0.3V); 3. Available in TO-220, PowerSO-10, ISOWATT 220, D²PAK; BTS140A in TO-220.
BTS140A	VNS14NV04 VNP14NV04 VND14NV04/04-1	<ol style="list-style-type: none"> 4. Output clamped (40V); 5. Linear current limitation at 14A; 6. Available in TO-220, SO-8, DPAK, IPAK; BTS140A in TO-220.

Low Side Switches contd.

Competition	ST nearest	ST advanced features
BTS141	VNP35N07/FI VNB35N07 VNV35N07	<ol style="list-style-type: none"> 1. Output clamped (70V) (BTS141 clamped 60V); 2. No latched overload protection; 3. Available in TO-220, PowerSO-10, ISOWATT 220, D²PAK; BTS141 in TO-220.
BTS141	VNS14NV04 VNP14NV04 VND14NV04/04-1	<ol style="list-style-type: none"> 4. Output clamped (40V); 5. Linear current limitation at 14A; 6. Available in TO-220, SO-8, DPAK, IPAK; BTS141 in TO-220.
BTS142D	VNP35N07/FI VNB35N07 VNV35N07	<ol style="list-style-type: none"> 1. See BTS141; 2. Available in TO-220, SO-8, DPAK, IPAK; BTS142D in DPAK.
BTS142D	VNS14NV04 VNP14NV04 VND14NV04/04-1	<ol style="list-style-type: none"> 3. See BTS141; 4. Available in TO-220, SO-8, DPAK, IPAK; BTS142D in DPAK.
BTS149	VNP49N04/FI VNB49N04 VNV49N04	<ol style="list-style-type: none"> 1. Output clamped (42V); 2. Linear current limitation at 49A; 3. Available in ISOWATT220, TO-220, D²PAK, PowerSO-10; BTS149 in TO-220.
BTS149	VNB35NV04 VNP35NV04 VNV35NV04	<ol style="list-style-type: none"> 4. Output clamped (40V); 5. Linear current limitation at 35A; 6. Lower R_{ds(on)}; 7. Will be available in TO-220, PowerSO-10, D²PAK; BTS149 in TO-220.
BTS240A	VNP49N04/FI VNB49N04 VNV49N04	<ol style="list-style-type: none"> 1. Output clamped (42V); 2. Linear current limitation at 49A; 3. Available in TO-220, ISOWATT220, PowerSO-10, D²PAK; BTS240A in TO-210.
BTS240A	VNB35NV04 VNP35NV04 VNV35NV04	<ol style="list-style-type: none"> 4. Output clamped at (40V); 5. Linear current limitation at 35A; 6. Lower R_{ds(on)}; 7. Will be available in TO-220, PowerSO-10, D²PAK; BTS240A in TO-220.
BTS244Z	VNB35NV04 VNP35NV04 VNV35NV04	<ol style="list-style-type: none"> 1. Output clamped at (40V); 2. Linear current limitation at 35A; 3. Lower R_{ds(on)}; 4. Will be available in TO-220, PowerSO-10, D²PAK; BTS244Z in TO-220.
BTS247Z	VNP49N04/FI VNB49N04 VNV49N04	<ol style="list-style-type: none"> 1. Output clamped (42V); 2. Linear current limitation at 49A; 3. Available in TO-220, ISOWATT220, PowerSO-10, D²PAK; BTS247Z in TO-220
BTS247Z	VNB35NV04 VNP35NV04 VNV35NV04	<ol style="list-style-type: none"> 4. Output clamped at (40V); 5. Linear current limitation at 35A; 6. Lower R_{ds(on)}; 7. Will be available in TO-220, PowerSO-10, D²PAK; BTS247Z in TO-220.
BTS917	VNP10N07/FI VNB10N07 VNV10N07 VNK10N07FM	<ol style="list-style-type: none"> 1. Output clamped (70V), (BTS917 clamped 60V); 2. Linear current limitation at 10A. 3. BTS917 in PENTAWATT; pin 2 is NC, pin 4 is the current sense; 4. VNP/VNB/VNV/VNK/10N07 with 3 pins available in TO-220, SOT-82FM, ISOWATT220, PowerSO-10, D²PAK.
BTS917	VNS7NV04 VNN7NV04 VND7NV04/04-1	<ol style="list-style-type: none"> 5. Output clamped (40V); 6. Linear current limitation at 7A; 7. Lower R_{ds(on)}; 8. Available in SO-8, SOT-223, DPAK, IPAK; BTS917 in PENTAWATT; pin 2 is NC, pin 4 is the current sense.
BTS933	VNB20N07 VNV20N07 VNP20N07/FI	<ol style="list-style-type: none"> 1. Output clamped (70V); 2. BTS933 is in PENTAWATT; pin 2 is NC, pin 4 allows of current limit setting. 3. VNB/VNP/100N04 is a 3 pin device with preset internal setted current limiter
BTS941	VNV35N07 VNP35N07/FI VNB35N07	<ol style="list-style-type: none"> 1. Output clamped (70V) 2. Linear current limitation at 35A; 3. Available in TO-220, PowerSO-10, ISOWATT220, D²PAK; BTS941 in TO-220.
BTS941	VNP14NV04 VND14NV04/04-1 VNS14NV04	<ol style="list-style-type: none"> 4. Output clamped (40V) 5. Linear current limitation at 14A; 6. Available in TO-220, DPAK, IPAK, SO-8; BTS941 in TO-220.
BTS949	VNP49N04/FI VNB49N04 VNV49N04	<ol style="list-style-type: none"> 1. Output clamped (40V); 2. Linear current limitation at 49A; 3. Available in TO-220, PowerSO-10, ISOWATT220, D²PAK; BTS949 in TO-220.
BTS949	VNP35NV04 VNV35NV04 VNB35NV04	<ol style="list-style-type: none"> 4. Output clamped (40V); 5. Linear current limitation at 49A; 6. Lower R_{ds(on)}; 7. Available in TO-220, PowerSO-10, D²PAK; BTS949 in TO-220.

Competition	ST nearest	ST advanced features
BUK100-50DL	VNN3NV04	1. Output clamped (40V);
BUK100-50GL	VNS3NV04	2. Linear current limitation at 3A;
BUK100-50GS	VND3NV04/04-1	3. Lower $R_{ds(on)}$;
		4. Available in SOT-223, SO-8, DPAK, IPAK; BUK in TO-220.
BUK100-50DL	VNP7N04/FI	5. Output clamped (42V);
BUK100-50GL	VNK7N04FM	6. Linear current limitation at 7A;
BUK100-50GS	VND7N04/04-1	7. Available in TO-220, ISOWATT220, DPAK, IPAK, SOT-82FM; BUK in TO-220.
BUK101-50DL	VND7NV04/04-1	1. Output clamped (40V);
BUK101-50GL	VNN7NV04	2. Linear current limitation at 7A;
BUK101-50GS	VNS7NV04	3. Available in SOT-223, SO-8, DPAK, IPAK; BUK101- in TO-220.
BUK101-50DL	VNB14N04	4. Output clamped (42V);
BUK101-50GL	VNP14N04/FI	5. Linear current limitation at 14A;
BUK101-50GS	VNK14N04FM	6. Available in TO-220, ISOWATT220, PowerSO-10, D ² PAK, SOT-82FM; BUK101 - in TO-220.
	VNV14N04	
BUK102-50DL	VNP28N04/FI	1. Output clamped at 42V;
BUK102-50GL	VNV28N04	2. Linear current limitation at 28A;
BUK102-50GS	VNB28N04	3. Available in TO-220, ISOWATT220, PowerSO-10, D ² PAK; BUK102 - in TO-220.
BUK102-50DL	VNP14NV04	1. Output clamped at 40V;
BUK102-50GL	VNDNV04/04-1	2. Linear current limitation at 14A;
BUK102-50GS	VNS14NV04	3. Available in TO-220, DPAK, IPAK, SO-8; BUK102 - in TO-220.
BUK104-50LP/SP	VNP10N07/FI	1. Output clamped (70V);
BUK104-50L/S	VNK10N07FM	2. Linear current limitation at 10A;
	VNB10N07	3. Available in TO-220, ISOWATT220, SOT-82FM, PowerSO-10, D ² PAK.
VNV10N07		
BUK106-50L/S	VNP28N04/FI	1. Output clamped (42V);
BUK106-50LP/SP	VNV28N04	2. Linear current limitation at 28A;
	VNB28N04	3. Available in TO-220, ISOWATT220, PowerSO-10, D ² PAK.
BUK107-50DL	VNP5N07/FI	1. Output clamped (70V); BUK107 - clamped (50V);
BUK107-50DS	VND5N07/07-1	2. Linear current limitation at 5A;
BUK107-50GL	VNK5N07FM	3. No latched overload protection;
		4. Available in SOT-223, SO-8, DPAK/IPAK; BUK107 - in SOT-223.
BUK108-50DL	VND3NV04/04-1	1. Output clamped (40V);
BUK108-50GL	VNN3NV04	2. Linear current limitation at 3A;
BUK108-50GS	VNS3NV04	3. Available in SOT-223, SO-8, DPAK, IPAK.
BUK109-50DL	VNS7NV04	1. Output clamped (40V);
BUK109-50GL	VNN7NV04	2. Linear current limitation at 7A;
BUK109-50GS	VND7NV04/04-1	3. Available in SOT-223, SO-8, DPAK, IPAK.
BUK110-50DL	VNP28N04/FI	1. Output clamped (42V);
BUK110-50GL	VNV28N04	2. Linear current limitation at 28A;
BUK110-50GS	VNB28N04	3. Available in TO-220, ISOWATT220, PowerSO-10, D ² PAK.
BUK110-50DL	VNP14NV04	1. Output clamped (40V);
BUK110-50GL	VND14NV04/04-1	2. Linear current limitation at 14A;
BUK110-50GS	VNS14NV04	3. Available in TO-220, DPAK, IPAK, SO-8.
BUK111-50GL	VNV10N07	1. Output clamped (70V); BUK111 - clamped (50V);
	VNK10N07FM	2. Linear current limitation at 10A;
	VNP10N07/FI	3. Lower $R_{ds(on)}$;
	VNB10N07	4. Available in TO-220, D ² PAK, ISOWATT220, PowerSO-10, SOT-82FM, DPAK, IPAK.
BUK112-50GL	VNV10N07	1. See BUK111-50GL
	VNK10N07FM	
	VNP10N07/FI	
	VNB10N07	

Low Side Switches contd.

Competition	ST nearest	ST advanced features
BUK114-50L	VNV10N07	1. See BUK111-50GL
BUK114-50S	VNK10N07FM VNP10N07FI VNB10N07	
BUK116-50L	VNB35N07	1. Output clamped (70V); BUK116_ clamped (50V); 2. Linear current limitation at 35A; 3. Available in TO-220, PowerSO-10, D ² PAK, ISOWATT220.
BUK116-50S	VNP35N07 VNP35N07FI VNV35N07	
PS021/S/L	VNS3NV04 VNN3NV04 VND3NV04 VND3NV04-1	
IPS021/S/L	VNP5N07 VNP5N07FI VND5N07 VND5N07-1 VNK5N07FM	1. Output clamped (70V); IPS021 clamped (50V); 2. Non latched overtemperature protection; 3. Available in TO-220, SOT-82FM, ISOWATT220, DPAK, IPAK, IPS021 available in TO-220 and SMD-220 (IPS021S), SOT-223 (IPS021L).
IPS031/S/G	VNS7NV04 VNN7NV04 VND7NV04 VND7NV04-1	1. Output clamped (40V); 2. Non latched overtemperature protection; 3. Available in SOT-223, SO-8, DPAK, IPAK; IPS031 available in TO-220, SMD-220 (IPS031S), SO-8 (IPS031G).
IPS031/S/G	VNP14N04 VNP14N04FI VNB14N04 VNV14N04 VNK14N04FM	1. Output clamped (42V); 2. Non latched overtemperature protection; 3. Available in TO-220, ISOWATT220, D ² PAK, PowerSO-10, SOT-82FM; 4. IPS031 available in TO-220, SMD-220 (IPS031S), SO-8 (IPS031G).
IPS0151/S	VNB35N07 VNP35N07 VNP35N07FI VNV35N07	1. Output clamped (70V); IPS0151 clamped (50V); 2. Linear current limitation at 35A; 3. Non latched overtemperature protection; 4. Available in TO-220, PowerSO-10, D ² PAK, ISOWATT220; 5. IPS0151 available in TO-220, IPS151S in SMD-220.
IPS0551T	VNW100N04	1. Output clamped (42V); IPS0151 clamped (40V); 2. Linear current limitation at 100A; 3. Non latched overtemperature protection; 4. Available in TO-247; IPS0551T available in Super-220.

Low Side Switches Multiple Channel

PS032G	VNA7NV04D	1. Two channel OMNIFETII; 2. Outputs clamped at 40V; 3. Linear current limitation at 7A (per channel); 4. Will be available in SO-16 like IPS032G.
IPS022G	VNS3NV04D	1. Two channel OMNIFETII; 2. Outputs clamped at 40V; 3. Linear current limitation at 3A (per channel); 4. Will be available in SO-16; IPS022G available in SO-8.
	VNS1NV04D	1. Two channel OMNIFETII; 2. Outputs clamped at 40V; 3. Linear current limitation at 1A (per channel);

The smart power

VIpower® Products

	DEVICE FAMILY	FEATURES	MARKETS
	OMNIFETs	Fully Protected 3 Pin Power MOSFET, 40V to 70V Operating Voltage, 1A to 100A Load Current, Avalanche Rugged	Automotive Consumer Industrial
	Electronic Ignition Coil Drivers	6A up to 12A Coil Current Driver, 400V Typical Voltage Clamp, Built in Protection, Current Limiting, Voltage and Current Flags	Automotive
	High Side Drivers	Single, Double, Triple, Quadruple Channel, 40V to 60V Operating Voltage, 4A to 60A Load Current	Automotive Consumer Industrial
	Monolithic SMPS	100W, 50W, 20W Output Power, 2.5 to 160hm Power Output Rds(on), 600V Operating Voltage, Avalanche Rugged	Computer Consumer Industrial

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