

SOT-23 TRANSISTORS & DIODES

PRODUCT LIST AND DEVICE IDENTIFICATION

TRANSISTORS			TRANSISTORS		
Device Type	Standard marking	Reverse Joggle marking	Device Type	Standard marking	Reverse Joggle marking
BCV71	K7	K6	BFQ31	S2	S3
BCV72	K8	K9	BFQ31A	S4	S5
BCW29	C1	C4	BFS20	G1	G4
BCW30	C2	C5	BSS63	T3	T6
BCW31	D1	D4	BSS64	U3	U6
BCW32	D2	D5	BSS65	L1	L5
BCW33	D3	D6	BSS66	M6	M8
BCW60A	AA	—	BSS67	M7	M9
BCW60B	AB	—	BSS69	L2	L6
BCW60C	AC	AR	BSS70	L3	L7
BCW60D	AD	—	BSV52	B2	B4
BCW61A	BA	CA	FMMT-A05	1H	—
BCW61B	BB	CB	FMMT-A06	1G	—
BCW61C	BC	CC	FMMT-A12	3W	—
BCW61D	BD	CD	FMMT-A13	1M	—
BCW65A	EA	—	FMMT-A14	1N	—
BCW65B	EB	—	FMMT-A20	1C	—
BCW65C	EC	—	FMMT-A42	3E	7E
BCW66F	EF	7P	FMMT-A43	1E	5E
BCW66G	EG	5T	FMMT-A55	2H	—
BCW66H	EH	—	FMMT-A56	2G	—
BCW67A	DA	—	FMMT-A70	2C	—
BCW67B	DB	—	FMMT-A92	4E	8E
BCW67C	DC	—	FMMT-A93	2E	6E
BCW68F	DF	—	FMMT918	3B	—
BCW68G	DG	6T	FMMT2222	1B	2P
BCW68H	DH	—	FMMT2222A	1P	3P
BCW69	H1	H4	FMMT2369	1J	—
BCW70	H2	H5	FMMT2369A	P5	—
BCW71	K1	K4	FMMT2907	2B	—
BCW72	K2	K5	FMMT2907A	2F	5P
BCW89	H3	H6	FMMT3903	1W	—
BCX17	T1	T4	FMMT3904	1A	—
BCX18	T2	T5	FMMT3905	2W	—
BCX19	U1	U4	FMMT3906	2A	—
BCX20	U2	U5	FMMT5087	2M	3M
BCX70G	AG	—	HT2	2T	—
BCX70H	AH	—	HT3	3T	—
BCX70J	AJ	AX			
BCX70K	AK	P9			
BCX71G	BG	CG			
BCX71H	BH	6P			
BCX71J	BJ	J8			
BCX71K	BK	CK			

SOT-23 TRANSISTORS

DARLINGTON – NPN

RATINGS AND CHARACTERISTICS at 25°C ambient temperature.

Type	V _{CB0} Volts	V _{CE0} Volts	I _C mA	P _{tot} * mW	h _{FE} at I _C /V _{CE}		I _{CB0} nA	at V _{CB} Volts
					min	mA/Volts		
FMMTA14	30	30	300	300	10K	10/5	100	30
FMMTA13	30	30	300	300	5K	10/5	100	30
FMMTA12	—	20	300	300	20K	10/5	100	15

*Device mounted on 10 × 8 × 0.6mm ceramic substrate.

HIGH VOLTAGE

Type	V _{CB0} Volts	V _{CE0} Volts	I _C mA	P _{tot} * mW	h _{FE} at I _C /V _{CE}		V _{CE(sat)} max. at I _C /I _B		Max. I _{CB0} at V _{CB}		Complement
					min/max	mA/Volts	Volts	mA	μA	Volts	
NPN											
FMMTA42	300	300	200	300	40/—	10/10	0.5	20/2.0	0.1	200	FMMTA92
FMMTA43	200	200	200	300	40/—	10/10	0.4	20/2.0	0.1	160	FMMTA93
BSS64	120	80	100	300	20/—	4/1	0.7	4/0.4	50	90	BSS63
HT2	90	80	100	300	50/—	10/1	0.75	50/5	0.1	80	HT3
PNP											
FMMTA92	300	300	200	300	40/—	10/10	0.5	20/2.0	0.25	200	FMMTA42
FMMTA93	200	200	200	300	40/—	10/10	0.4	20/2.0	0.25	160	FMMTA43
BSS63	110	100	100	300	30/—	10/5	0.25	25/2.5	10	100	BSS64
HT3	90	80	100	300	50/—	10/1	0.75	50/5	0.1	80	HT2

NPN HIGH FREQUENCY

Type	V _{CB0} V	V _{CE0} V	I _C mA	P _{tot} * mW	h _{FE} at I _C /V _{CE}		f _T MHz at I _C		C _{ib} at 1MHz pF at V _{CE}		C _{obo} at 1MHz pF at V _{CE}	
					min/max	mA/V	(Typ.)	mA	(max.)	V	(max.)	V
FMMT918	30	15	100	200	20/—	3/1	600	4	2.0	0.5	1.7	10
BFQ31/31A	30	15	100	200	20/100	3/1	600§	4	2.0	0.5	1.7	10
BFS20/20R	30	20	25	200	40/—	7/10	450	5	0.4	10.0	0.8‡	10

*Device mounted on 10 × 8 × 0.6mm ceramic substrate.

‡Typical.

§Minimum.

N.B. Values quoted under C_{ib} and C_{ob} for BFS20 refer to C_{re} and C_{TC} respectively.