

Surface Mount Devices

MOSFET's

Type	Package	Mode	Ratings		g _{FS} (typ) mA/V	V _{(P) GS} max. V	R _{DS (on)} max. AT I _D /V _{GS}		Pinout See Section VII
			V _{DS} V	I _D mA			Ω	mA/V	
N-CHANNEL									
BSD20*	SOT-143	Dp1	10	50	15	-2.0	30	1/10	C
BSS83*	SOT-143	Enh	10	50	15	2.0	45	0.1/10	C
BSD22*	SOT-143	Dp1	20	50	15	-2.0	30	1/10	C

* Includes integrated back-to-back diodes to protect against excessive input voltages.

Dual Gate MOSFET's

Type	Package	Ratings		NF typ dB	-I _{GSS} max. nA	I _{DSS} min./max. mA	-V _{(P) GS} max. V	Y _{fs} min. mS	C _{rs} typ pF	Pinout See Section VII
		V _{DS} V	I _D mA							
N-CHANNEL										
BF998	SOT-143	12	30	0.6	50	4/20	2.0	21	.025	E
BF990	SOT-143	18	30	2.8	—	—	1.3	17	0.25	E
BF990A	SOT-143	18	—	2	—	—	1.3	18 min.	25	E
BF991	SOT-143	20	20	0.7	50	4/25	2.5	10	0.20	E
BF989	SOT-143	20	30	2.8	50	2/20	2.7	9.5	0.25	E
BF992	SOT-143	20	40	1.2	25	—	1.3	20	.04	E
BF994S	SOT-143	20	40	1.2	25	—	1.3	20	.04	E
BF996S	SOT-143	20	40	1.2	25	—	1.3	20	.04	E
BF997	SOT-143	20	30	1.0	50	2/20	2.0	15	.025	E

Vertical DMOS FET's

Type	Package	Ratings			Y _{FS} typ mS	V _{GS (TH)} V	R _{DS (on)} max at I _D /V _{GS}		Pinout See Section VII
		V _{DS} V	V _{GS0} V	I _D mA			Ω	mA/V	
N-CHANNEL									
BSP103	SOT-223	35	20	750	170	0.8-2.0	5	300/5	T
BSN20	SOT-23	50	20	100	60	2.0	15	100/10	D
BSP105	SOT-223	60	20	500	170	0.8-2.0	5	300/5	T
BSP106	SOT-223	60	15	500	200	0.8-3.0	5	200/10	T
2N7002	SOT-23	60	40	180	200	0.8 - 3.0	5	500/10	D
BSP108	SOT-223	80	20	500	300	1.5-3.5	3	500/10	T
BSP110	SOT-223	80	20	325	150	0.8-2.8	7	200/10	T
BST80	SOT-89	80	20	400	300	1.5-3.5	4	500/10	AD
BST82	SOT-23	80	20	175	150	1.6-3.5	10	150/5	D
BSP109	SOT-223	90	20	500	170	0.8-2.0	5.3	300/5	T
BSS123	SOT-23	100	20	150	140	0.8-2.8	6	120/10	D
BST86	SOT-89	180	20	300	250	0.7-2.7	10	15/3	AD
BSP122	SOT-223	200	—	650	800	1.0 - 3.0	2	1500/10	T
BST84	SOT-89	200	20	250	250	0.8-2.8	12	250/10	AD

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