

E-LINE MOSFETS

TABLE 18 : SMALL SIGNAL MOSFETS

This comprehensive range of MOSFET's is optimised for low on-resistance whilst maintaining a fast switching performance. Application areas vary from dialler circuits in electronic telephones, automotive solenoid drivers, DC-DC converters to general switching circuits.

PART NO.	BV _{DSS} V	I _D mA	I _{DM} A	V _{GS(th)}		I _D mA	R _{DS(on)} max Ω	@		C _{iss} max pF	PIN OUT 123
				min V	max V			I _D mA	V _{GS} V		
N-CHANNEL											
ZVN0545A	450	90	0.6	1	3	1	50	100	10	70	DGS
ZVN0540A	400	90	0.6	1	3	1	50	100	10	70	DGS
ZVNL535A	350	90	0.8	0.5	1.5	1	40	50	3	70	DGS
ZVN2535A	350	90	1	1	3	1	35	100	10	70	DGS
ZVN0535A	350	90	0.6	1	3	1	50	100	10	70	DGS
ZVN4424A	240	260	1	0.8	1.8	1	6	100	2.5	-	DGS
ZVN0124A	240	160	2	1	3	1	16	250	10	85	DGS
ZVNL120A	200	180	2	0.5	1.5	1	10	125	3	85	DGS
ZVNL120C	200	180	2	0.5	1.5	1	10	125	3	85	GDS
ZVN2120A	200	180	2	1	3	1	10	250	10	85	DGS
ZVN2120C	200	180	2	1	3	1	10	250	10	85	GDS
BS107P	200	120	2	-	-	-	23	25	2.6	-	DGS
BS107PT	200	120	2	-	-	-	28	20	2.6	-	DGS
ZVN0120A	200	160	2	1	3	1	16	250	10	85	DGS
ZVN3320A	200	100	1	1	3	1	25	100	10	45	DGS
ZVN0117TA	170	160	2	-	-	-	23	100	3.3	-	DGS
ZVN4310A	100	900	12	1	3	1	0.65	1500	5	350	DGS
ZVN4210A	100	450	6	0.8	2.4	1	1.8	500	5	100	DGS
ZVNL110A	100	320	6	0.75	1.5	1	4.5	250	5	75	DGS
ZVN2110A	100	320	6	0.8	2.4	1	4	1000	10	75	DGS
ZVN2110C	100	320	6	0.8	2.4	1	4	1000	10	75	GDS
ZVN3310A	100	200	2	0.8	2.4	1	10	500	10	40	DGS
ZVN1409A	90	10	0.04	0.8	2.4	0.1	250	5	10	6.5	DGS
ZVN4306A	60	1100	20	1.3	3	1	0.45	1500	5	350	DGS
ZVN4206A*	60	600	8	1.3	3	1	1.5	500	5	100	DGS
ZVN4206C	60	600	8	1.3	3	1	1.5	500	5	100	GDS
ZVN2106A	60	450	8	0.8	2.4	1	2	1000	10	75	DGS
2N7000P	60	200	0.5	0.8	3	1	5	500	10	60	DGS
ZVN3306A	60	270	3	0.8	2.4	1	5	500	10	35	DGS
VN10LP	60	270	3	0.8	2.5	1	7.5	200	5	60	DGS
BS170P	60	270	3	0.8	3	1	5	200	10	60	DGS
P-CHANNEL											
ZVP0545A	-450	-45	-0.4	-1.5	-4.5	-1	150	-50	-10	120	DGS
ZVP0540A	-400	-45	-0.4	-1.5	-4.5	-1	150	-50	-10	120	DGS
ZVP0535A	-350	-50	-0.48	-1.5	-4.5	-1	100	-50	-10	120	DGS
ZVP4424A	-240	-200	-1	-0.8	-2.5	-1	15	-100	-3.5	-	DGS
ZVP2120A	-200	-120	-1.2	-1.5	-4.5	-1	25	-150	-10	100	DGS
ZVP2120C	-200	-120	-1.2	-1.5	-4.5	-1	25	-150	-10	100	GDS
ZVP0120A	-200	-110	-1	-1.5	-4.5	-1	32	-125	-10	100	DGS
ZVP1320A	-200	-70	-0.4	-1.5	-4.5	-1	80	-50	-10	50	DGS
ZVP2110A	-100	-230	-3	-1.5	-4.5	-1	8	-375	-10	100	DGS
ZVP2110C	-100	-230	-3	-1.5	-4.5	-1	8	-375	-10	100	GDS
ZVP3310A	-100	-140	-1.2	-1.5	-4.5	-1	20	-150	-10	50	DGS
ZVP2106A	-60	-280	-4	-1.5	-4.5	-1	5	-500	-10	100	DGS
ZVP2106C	-60	-280	-4	-1.5	-4.5	-1	5	-500	-10	100	GDS
ZVP3306A	-60	-160	-1.6	-1.5	-4.5	-1	14	-200	-10	50	DGS
ZVP4105A	-50	-175	-0.52	-0.8	-2.0	-1	10	-100	-5	40 [#]	DGS
BS250P	-45	-230	-3	-1.0	-3.5	-1	14	-200	-10	60 [#]	DGS

*Avalanche Rated Product Available

Typical Values

TABLE 19 : SMALL SIGNAL IGBT

These IGBT's have been developed as fluorescent lamp drivers offering high voltage, fast switching and low on-resistance in a small package. (Development sample data)

PART NO.	BV _{DSS} V	I _D A	I _{DM} A	V _{GS(th)} @		I _D mA	R _{DS(on)} @		t _{on} max ns	t _{off} max ns	PIN OUT 123	
				min V	max V		max Ω	I _D A				V _{GS} V
N-CHANNEL												
ZCN0545A	450	0.32	2	1	3	1	6	>0.5	10	150	300	DGS
P-CHANNEL												
ZCP0545A	-450	-0.32	-0.8	-1	-3.5	-1	6	>0.5	-10	150	350	DGS