

CENTRE BASE E-LINE 'M1'

4

NPN Super E-line M1 Darlingtontons

Type	V_{CB0} V	V_{CE0} V	Max. Cont. I_C mA	Max. $V_{CE(sat)}$ at			h_{FE} at			Max. I_{CB0} at		P_{tot} at $T_{amb} = 25^\circ C$ mW
				V	I_C mA	I_B mA	Min.	Max.	I_C mA	nA	V_{CB} V	
ZTX601AM1	180	160	1000	1.1	500	5	2k	20k	500	10	160	1000
ZTX601BM1	180	160	1000	1.1	500	5	20k	100k	500	10	160	1000
ZTX605M1	140	120	1000	1.5	1000	1	2k	100k	1000	100	120	1000
ZTX603M1	100	80	1000	1.0	1000	1	2k	100k	1000	100	80	1000

High Voltage E-line M1 Transistors

Type	V_{CB0} V	V_{CE0} V	Max. I_C mA	Max. $V_{CE(sat)}$ at			h_{FE} at			Max. I_{CB0} at		P_{tot} at $T_{amb} = 25^\circ C$ mW	Complement
				V	I_C mA	I_B mA	Min.	Max.	I_C mA	μA	V_{CB} V		
NPN													
MPSA42M1	300	300	500	0.5	20	2.0	40	—	10	0.10	200	680	MPSA92M1
PNP													
MPSA92M1	300	300	500	0.5	20	2.0	40	—	10	0.25	200	680	MPSA42M1

E-LINE M1 SPECIFICATIONS (MOSFETs)

'N' Channel Small Signal Mosfets

Part Number	BV_{DSS} V	I_D mA	I_{DM} A	$V_{GS(th)}$ at I_D			$R_{DS(on)}$ at I_D			V_{GS} V	P_D W
				V Min.	Max.	I_D mA	Ω Max.	at	I_D mA		
ZVN0545AM1	450	90	0.6	1	3	1	50	100	10	0.7	
ZVN2535AM1	350	90	1	1	3	1	35	100	10	0.7	
BS107PM1	200	120	2	—	—	—	23	25	2.6	0.5	
ZVN2120AM1	200	180	2	1	3	1	10	250	10	0.7	
ZVN2110AM1	100	320	6	0.8	2.4	1	4	1000	10	0.7	
ZVN4206AM1	60	600	8	1.3	3	1	1.5	500	5	0.7	
ZVN2106AM1	60	450	8	0.8	2.4	1	2	1000	10	0.7	