

4 CENTRE BASE E-LINE 'M1'

ZETEX SEMICONDUCTORS

E-LINE "M1" SPECIFICATIONS (BIPOLAR)

Super E-line M1 Transistors

Type	V_{CB0}	V_{CEO}	Max. Cont. I_C	Max. I_{CM}	Max. $V_{CE(sat)}$ at			h_{FE} at			Min. f_T at		P_{tot} at $T_{amb} = 25^{\circ}C$	Complement
	V	V	mA	A	V	I_C mA	I_B mA	Min.	Max.	I_C mA	MHz	I_C mA	mW	
NPN														
ZTX657M1	300	300	500	1	0.5	100	10	50	—	100	30	10	1000	ZTX757M1
ZTX655M1	150	150	1000	2	0.5	1000	200	50	—	500	30	10	1000	ZTX755M1
ZTX653M1	120	100	2000	6	0.3	1000	100	100	300	500	140	100	1000	ZTX753M1
ZTX651M1	80	60	2000	6	0.3	1000	100	100	300	500	140	100	1000	ZTX751M1
ZTX649M1	35	25	2000	6	0.3	1000	100	100	300	1000	150	100	1000	ZTX749M1
PNP														
ZTX757M1	300	300	500	1	0.5	100	10	50	—	100	30	10	1000	ZTX657M1
ZTX755M1	150	150	1000	2	0.5	1000	200	50	—	500	30	10	1000	ZTX655M1
ZTX753M1	120	100	2000	6	0.3	1000	100	100	300	500	100	100	1000	ZTX653M1
ZTX751M1	80	60	2000	6	0.3	1000	100	100	300	500	100	100	1000	ZTX651M1
ZTX749M1	35	25	2000	6	0.3	1000	100	100	300	1000	100	100	1000	ZTX649M1

Medium Power E-line M1 Transistors

Type	V_{CB0} V	V_{CEO} V	Max. Cont. I_C mA	Max. $V_{CE(sat)}$ at			h_{FE} at			Min. f_T at		$P_{T_{amb}}$ = 25°C mW	Complement
				V	I_C	I_B	Min.	Max.	I_C	MHz	I_C		
					mA	mA							
NPN													
ZTX455M1	160	140	1000	0.7	150	15	100	300	150	100	50	1000	ZTX555M1
ZTX453M1	120	100	1000	0.7	150	15	40	200	150	150	50	1000	ZTX553M1
ZTX451M1	80	60	1000	0.35	150	15	50	150	150	150	50	1000	ZTX551M1
ZTX450M1	60	45	1000	0.25	150	15	100	300	150	50	50	1000	ZTX550M1
ZTX449M1	50	30	1000	0.5	1000	100	100	300	500	150	50	1000	ZTX549M1
PNP													
ZTX557M1	300	300	500	0.3	50	5	50	300	50	75	50	1000	—
ZTX555M1	160	150	1000	0.3	100	10	50	300	300	100	50	1000	ZTX455M1
ZTX553M1	120	100	1000	0.7	150	15	40	200	150	150	50	1000	ZTX453M1
ZTX551M1	80	60	1000	0.35	150	15	50	150	150	150	50	1000	ZTX451M1
ZTX550M1	60	45	1000	0.25	150	15	100	300	150	150	50	1000	ZTX450M1
ZTX549M1	35	25	1000	0.5	1000	100	100	300	1000	100	100	1000	ZTX449M1