

Section 2: Bipolar Transistors

Low Saturation Transistors up to 100V

E-Line Low Saturation NPN Transistors up to 100V

Pinout Details: 1-Collector, 2-Base, 3-Emitter

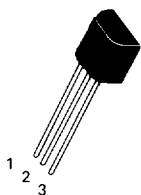
Type	V _{CBO} V	V _{CEO} V	I _C A	h _{FE}		V _{CE(sat)}		f _T Min MHz	P _D W		
				min	max	max V	at I _C A			at I _B mA	
ZTX1053A	150	75	3	300 100	1200	0.25	1 3	3	100	140 †	1
ZTX851	150	60	5	100 25	300 —	0.1 0.25	2 10	1 5	50 200	130 †	1.2
ZTX1051A	150	40	4	300 45	1200	0.21	1 10	2 2	100	155 †	1
ZTX651	80	60	2	100 40	300 —	0.5	0.5 2	2	200	140	1
ZTX451	80	60	1	50 10	150 —	0.35	0.15 1	0.15 10	15	150	1
ZTX849	80	30	5	100 30	300	0.05 0.22	1 20	0.5 5	20 200	100 †	1.2
ZTX1049A	80	25	4	300 50	1200	0.245	1 15	2 2	50	180 †	1
ZTX692B	70	70	1	400 150	— —	0.5	0.5 1	2 2	10	150	1
ZTX650*	60	45	2	100 40	300 —	0.5	0.5 2	2 2	200	140	1
ZTX450	60	45	1	100 15	300 —	0.25	0.15 1	0.15 10	15	150	1
ZTX869	60	25	5	250 40	— —	0.05 0.22	5 20	0.5 5	10 100	100 †	1.2
ZTX449	50	30	1	100 40	300 —	0.5	0.5 2	1 2	100	150	1
ZTX1048A	50	17.5	4	300 50	1200	0.245	1 20	2 2	20	150 †	1
ZTX690B	45	45	2	400 150	— —	0.5	1 2	1 2	5	150	1
ZTX649	35	25	2	100 15	300 —	0.5	1 6	2 2	200	150	1
ZTX1047A	35	10	4	300 60	1200 —	0.19	1 20	2 2	20	150 †	1
ZTX618	20	20	3.5	300 40	— —	0.15	0.2 10	2 2	10	100	1
ZTX689B	20	20	3	400 150	— —	0.5	2 6	2 2	10	150	1
ZTX688B	12	12	3	400 100	— —	0.35	3 10	3 2	20	150	1

‡ Upon agreement centre collector (pinout BCE) versions of the above listed specifications can be supplied; such devices will be identified with prefix FXT i.e. FXT690B

* For New Designs please use the 60V equivalent ZTX651

† Typical f_T

E-Line



Tape and Reel Information - see section 12 ➤

Thermal Data - see section 13 ➤