

Medium Power Bipolar Transistors (P_{tot} to 1W to 3W) - continued

E-Line High Current, 3.5A to 5A



High performance transistors with optimised chip technology to give exceptionally high current capability coupled with very low saturation voltages. TO-92 compatible package.

	V _{CEO} V	I _C max. A	I _C Pulsed A	V _{CE(sat)} V	@ I _C A	h _{FE} min.	@ I _C A	f _T typ. MHz	P _{tot} @ 25°C W	Mfrs. List No.
NPN	25	5	20	0.22	5	300	1	100	1.2	ZTX869
	30	5	20	0.22	5	100	1	100	1.2	ZTX849
	60	5	20	0.25	5	100	2	130	1.2	ZTX851
	100	4	10	0.2	4	100	2	130	1.2	ZTX853
PNP	60	4	15	0.3	4	100	1	120	1.2	ZTX951
	100	5	10	0.33	4	100	1	120	3	ZTX953

Mfrs. List No.	Order Code	5+	25+	100+	500+
ZTX849	952-4860	60.00	45.00	30.00	22.00
ZTX851	952-4886	60.00	45.00	30.00	22.00
ZTX853	952-4894	60.00	45.00	30.00	22.00
ZTX869	952-4878	60.00	45.00	30.00	21.00
ZTX951	952-4975	76.00	57.00	38.00	28.00
ZTX953	952-4983	76.00	57.00	38.00	28.00

SOT-223, High Current



Complimentary high current devices, supplied on 12mm tape.



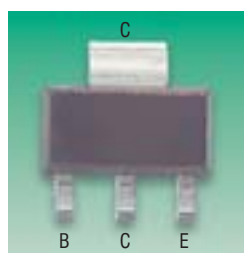
H = 1.7, W = 6.7, D = 7.3

Footprint

V _{CEO} max V	V _{CB0} max V	I _C max A	I _C Pulsed max A	h _{FE} min	@ I _C A	P _{tot} W	Mfrs. List No.
25	35	3	8	100	1	2	ZET FZT649
30	80	7	20	100	7	3	ZET FZT849
60	80	3	6	100	0.5	2	ZET FZT651
60	60	3	5	40	0.5	1.5	INF BDP949
60	150	6	20	100	2	3	ZET FZT851
100	120	2	6	100	0.5	2	ZET FZT653
100	200	6	10	100	2	3	ZET FZT853
300	350	3.5	5	—	—	3	ZET FZT857
400	400	0.5	1	50	0.1	2	ZET FZT658

Mfrs. List No.	Order Code	5+	25+	100+	250+
BDP949	121-4295	50.00	34.00	25.00	16.00
FZT649	952-6560	47.00	35.00	23.00	16.00
FZT651	952-5009	47.00	35.00	23.00	17.00
FZT653	952-5017	47.00	35.00	23.00	16.00
FZT658	952-5246	46.00	34.00	23.00	16.00
FZT749	952-6579	45.00	33.00	22.00	16.00
FZT751	952-5025	42.00	31.00	21.00	14.00
FZT753	952-5033	45.00	33.00	22.00	18.00
FZT758	952-5254	42.00	31.00	21.00	14.00
FZT849	952-6587	54.00	40.00	27.00	19.00
FZT851	952-6323	54.00	40.00	28.00	23.00
FZT853	952-6331	54.00	40.00	27.00	19.00
FZT857	952-5262	54.00	40.00	27.00	19.00
FZT949	952-6595	71.00	53.00	35.00	25.00
FZT951	952-6340	71.00	53.00	35.00	28.00
FZT953	952-6358	71.00	53.00	35.00	25.00

SOT-223, Low Saturation



- Fifth generation low saturation transistors
- Low equivalent on-resistance R_{sat}
- Excellent gain characteristics

Supplied on 12mm tape.

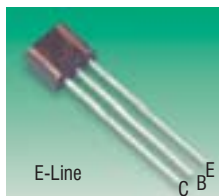


H = 1.7, W = 6.7, D = 7.3

	V _{CEO} max V	V _{CB0} max V	I _C max A	I _C pulsed A	h _{FE} min.	@ I _C A	V _{CE(sat)} max. mV	@ I _C A	P _{tot} W	Device Marking	Mfrs. List No.
NPN	30	80	7	20	100	7	35	6.5	3	X5T849	ZX5T849G
	60	150	6	20	55	5	210	6	3	X5T851	ZX5T851G
	100	200	6	10	30	5	220	4	3	X5T853	ZX5T853G
PNP	30	50	5.5	20	40	5	170	5.5	3	X5T949	ZX5T949G
	60	100	5.5	15	45	5	195	5	3	X5T951	ZX5T951G
	100	140	5	10	15	4	240	4	3	X5T953	ZX5T953G

Mfrs. List No.	Order Code	1+	25+	100+	500+	+
ZX5T849G	756-5038	56.00	42.00	28.00	22.00	--
ZX5T851G	756-5054	57.00	43.00	28.00	22.00	--
ZX5T853G	756-5062	57.00	43.00	29.00	23.00	--
ZX5T949G	756-5070	57.00	43.00	28.00	22.00	--
ZX5T951G	756-5097	57.00	43.00	28.00	22.00	--
ZX5T953G	756-5100	56.00	42.00	28.00	20.00	--

E-Line, High Gain at High Current, h_{FE} ≥ 200



High performance transistors featuring high gain and low saturation voltages at high currents. TO-92 compatible E-line package.

V _{CEO} V	I _C max. A	I _C Pulsed A	V _{CE(sat)} V	@ I _C A	h _{FE} min.	@ I _C A	f _T min. MHz	P _{tot} @ 25°C W	Mfrs. List No.
NPN	12	3	10	0.35	3	400	3	150	ZTX688B
	17.5	4	20	0.245	4	300	1	150	ZTX1048A
	20	3	8	0.5	2	400	2	150	ZTX689B
	20	3.5	10	0.255	3.5	300	0.2	100	ZTX618
	25	4	20	0.045	0.5	300	1	180	ZTX1049A
	40	4	10	0.21	4	300	1	155	ZTX1051A
	45	2	6	0.5	1	400	1	150	ZTX690B
	75	3	10	0.25	3	300	1	140	ZTX1053A
	120	0.5	1	0.5	0.4	400	0.2	130	ZTX694B
	120	3	6	0.31	3	300	1	130	ZTX1055A
	160	3	6	0.3	3	300	0.5	120	ZTX1056A
	PNP	15	3	8	0.45	2	300	2	100
20		2.5	6	0.26	2.5	300	0.1	150	ZTX718
25		3	8	0.45	2	200	2	100	ZTX789A
25		3	10	0.2	3	250	0.5	135	ZTX1149A
50		3	6	0.75	2	200	1	100	ZTX790A
75		2	4	0.5	1	250	0.5	100	ZTX792A

Mfrs. List No.	Order Code	5+	25+	100+	500+	+
ZTX618	952-6528	46.00	35.00	23.00	16.00	--
ZTX688B	952-4940	52.00	39.00	26.00	20.00	--
ZTX689B	952-5602	52.00	39.00	26.00	20.00	--
ZTX690B	952-5947	52.00	39.00	26.00	20.00	--
ZTX694B	952-5610	52.00	39.00	26.00	18.00	--
ZTX718	952-6536	49.00	37.00	24.00	17.00	--
ZTX788B	952-6641	104.00	75.00	49.00	32.00	--
ZTX789A	952-6170	54.00	41.00	27.00	19.00	--
ZTX790A	952-6188	54.00	41.00	27.00	19.00	--
ZTX792A	952-6137	54.00	41.00	27.00	19.00	--
ZTX1048A	952-6544	43.00	32.00	22.00	16.00	--
ZTX1049A	952-6102	74.00	53.00	35.00	22.00	--
ZTX1051A	952-6552	43.00	32.00	22.00	16.00	--
ZTX1053A	952-6390	43.00	32.00	22.00	15.00	--
ZTX1055A	952-6404	43.00	32.00	22.00	15.00	--
ZTX1056A	952-6412	43.00	32.00	22.00	15.00	--
ZTX1149A	952-6781	55.00	42.00	28.00	20.00	--

High Power Bipolar Transistors D V_{ceo} to 150V

TO-220 (SOT-78B), General Purpose



ON Semiconductor



multicomp

I _{C(av)} max. A	V _{CEO} max. V	h _{FE}	@ I _C A	P _{tot} @ 25°C W	Mfrs. List No.	Mfrs. List No.
1	60	20 min	0.2	30	ST/MC	TIP29C
	100	40 min	0.2	30	ST/MC	TIP29C
2	100	20 min	0.2	30	ST/MC	BD239C
	40	25 min	1	40	—	TIP31
3	60	25 min	1	40	ST/MC	TIP31A
	100	25 min	1	40	ON	TIP31C
3	40	20 min	0.5	40	ON	TIP31CG
	100	25 min	1	40	ON/MC	BD241C
5	45	40 min	—	40	—	BD948
	100	25 min	1	40	ST/MC	BD241C
5	120	40 min	0.5	40	—	BD955
	40	20 min	0.5	65	ON	TIP41CG
6	60	30 min	0.3	65	ST/MC	TIP41A
	100	30 min	0.5	65	ON/MC	TIP41CG
6	100	30 min	0.3	65	ON/MC	BD243CG
	50	30 min	2.5	40	MC	2N6290
7	40	30 min	3	40	—	2N6109
	45	25 min	2	50	—	2N6111
8	45	25 min	2	50	—	BD534