

SUPER E-LINE

TABLE 1: SUPER E-LINE TRANSISTORS (P_D=1 Watt)

This range of transistors is rated at 1 Watt and the low saturation voltage and high pulsed current rating make them ideal for application areas including audio circuits, automotive circuits and telecoms circuits.

PART NO.	V _{CBO} V	V _{CEO} V	I _C A	I _{CM} A	V _{CE(sat)} max @ V	I _C		h _{FE} min @	V _{CE}		h _{FE} min @	V _{CE}		f _T min @ MHz	I _C mA	PIN OUT 123
						I _C A	I _B A		I _C A	V _{CE} V		I _C A	V _{CE} V			
NPN																
ZTX658	400	400	0.5	1	0.5	0.1	0.01	50	0.1	5	40	0.2	10	50	20	CBE
ZTX657	300	300	0.5	1	0.5	0.1	0.01	40	0.01	5	50	0.1	5	30	10	CBE
FXT657	300	300	0.5	1	0.5	0.1	0.01	40	0.01	5	50	0.1	5	30	10	BCE
ZTX656	200	200	0.5	1	0.5	0.1	0.01	40	0.01	5	50	0.1	5	30	10	CBE
ZTX655	150	150	1	2	0.5	1	0.2	50	0.5	5	20	1	5	30	10	CBE
FXT655	150	150	1	2	0.5	1	0.2	50	0.5	5	20	1	5	30	10	BCE
ZTX654	125	125	1	2	0.5	1	0.2	50	0.5	5	20	1	5	30	10	CBE
ZTX653	120	100	2	6	0.5	2	0.2	100	0.5	2	25	2	2	140	100	CBE
FXT653	120	100	2	6	0.5	2	0.2	100	0.5	2	25	2	2	140	100	BCE
ZTX652	100	80	2	6	0.5	2	0.2	100	0.5	2	25	2	2	140	100	CBE
ZTX651	80	60	2	6	0.5	2	0.2	100	0.5	2	40	2	2	140	100	CBE
FXT651	80	60	2	6	0.5	2	0.2	100	0.5	2	40	2	2	140	100	BCE
ZTX650	60	45	2	6	0.5	2	0.2	100	0.5	2	40	2	2	140	100	CBE
ZTX649	35	25	2	6	0.5	2	0.2	100	1	2	15	6	2	150	100	CBE
FXT649	35	25	2	6	0.5	2	0.2	100	1	2	15	6	2	150	100	BCE
PNP																
ZTX758	-400	-400	-0.5	-1	-0.5	-0.1	-0.01	50	-0.1	-5	40	-0.2	-10	50	-20	CBE
ZTX757	-300	-300	-0.5	-1	-0.5	-0.1	-0.01	40	-0.01	-5	50	-0.1	-5	30	-10	CBE
FXT757	-300	-300	-0.5	-1	-0.5	-0.1	-0.01	40	-0.01	-5	50	-0.1	-5	30	-10	BCE
ZTX776	-200	-200	-1	-2	-0.5	-0.5	-0.05	50	-0.5	-5	20	-1	-5	30	-10	CBE
ZTX756	-200	-200	-0.5	-1	-0.5	-0.1	-0.01	40	-0.01	-5	50	-0.1	-5	30	-10	CBE
ZTX755	-150	-150	-1	-2	-0.5	-1	-0.2	50	-0.5	-5	20	-1	-5	30	-10	CBE
FXT755	-150	-150	-1	-2	-0.5	-1	-0.2	50	-0.5	-5	20	-1	-5	30	-10	BCE
ZTX754	-125	-125	-1	-2	-0.5	-1	-0.2	50	-0.5	-5	20	-1	-5	30	-10	CBE
ZTX753	-120	-100	-2	-6	-0.5	-2	-0.2	100	-0.5	-2	25	-2	-2	100	-100	CBE
FXT753	-120	-100	-2	-6	-0.5	-2	-0.2	100	-0.5	-2	25	-2	-2	100	-100	BCE
ZTX752	-100	-80	-2	-6	-0.5	-2	-0.2	100	-0.5	-2	25	-2	-2	100	-100	CBE
ZTX751	-80	-60	-2	-6	-0.5	-2	-0.2	100	-0.5	-2	40	-2	-2	100	-100	CBE
FXT751	-80	-60	-2	-6	-0.5	-2	-0.2	100	-0.5	-2	40	-2	-2	100	-100	BCE
ZTX750	-60	-45	-2	-6	-0.5	-2	-0.2	100	-0.5	-2	40	-2	-2	100	-100	CBE
ZTX749	-35	-25	-2	-6	-0.5	-2	-0.2	100	-1	-2	15	-6	-2	100	-100	CBE
FXT749	-35	-25	-2	-6	-0.5	-2	-0.2	100	-1	-2	15	-6	-2	100	-100	BCE

TABLE 2: HIGH GAIN SUPER E-LINE TRANSISTORS (P_D=1 Watt)

This range of transistors is an extension of the Super E-Line range offering gains approaching those of darlington's whilst maintaining low saturation voltages.

PART NO.	V _{CBO} V	V _{CEO} V	I _C A	I _{CM} A	V _{CE(sat)} max @ V	I _C		h _{FE} min @	V _{CE}		h _{FE} min @	V _{CE}		f _T min @ MHz	I _C mA	PIN OUT 123
						I _C mA	I _B mA		I _C mA	V _{CE} V		I _C A	V _{CE} V			
NPN																
ZTX696B	250	250	0.5	1	0.25	200	5	500	100	5	150	0.2	5	70	50	CBE
ZTX694B	120	120	0.5	1	0.5	400	5	400	200	2	150	0.4	2	130	50	CBE
ZTX692B	70	70	1	2	0.5	1000	10	400	500	2	150	1	2	150	50	CBE
ZTX690B	45	45	2	6	0.5	1000	5	400	1000	2	150	2	2	150	50	CBE
ZTX689B	20	20	3	8	0.5	2000	10	400	2000	2	150	6	2	150	50	CBE
ZTX688B	20	15	3	10	0.35	3000	20	400	3000	2	100	10	2	150	50	CBE
FXT688B	20	15	3	10	0.35	3000	20	400	3000	2	100	10	2	150	50	BCE
PNP																
ZTX796A	-200	-200	-0.5	-1	-0.3	-200	-20	300	-100	-10	100	-0.4	-10	100	-50	CBE
ZTX795A	-140	-140	-0.5	-1	-0.3	-200	-5	250	-200	-2	100	-0.3	-2	100	-50	CBE
ZTX792A	-75	-70	-2	-4	-0.5	-1000	-25	250	-500	-2	200	-1	-2	100	-50	CBE
ZTX790A	-50	-40	-2	-6	-0.75	-2000	-50	200	-1000	-2	150	-2	-2	100	-50	CBE
ZTX789A	-25	-25	-3	-8	-0.45	-2000	-20	200	-2000	-2	100	-6	-2	100	-50	CBE
ZTX788B	-15	-15	-3	-8	-0.45	-2000	-10	300	-2000	-2	150	-6	-2	100	-50	CBE
FXT788B	-15	-15	-3	-8	-0.45	-2000	-10	300	-2000	-2	150	-6	-2	100	-50	BCE