E-LINE TRANSISTORS

TABLE 5: HIGH PERFORMANCE E-LINE TRANSISTORS (P_D=1 Watt)

The transistors shown in this table have been designed to operate and provide useful gain at current levels up to 1 Amp with power dissipation capabilities of 1 Watt at 25°C ambient temperature. Typical application areas include audio frequency drivers and output stages, relay drivers etc.

PART NO.	V_{CBO} V	V_{CEO} V	I_C A	I_{CM} A	$V_{CE(sat)}$ max @ V	I_C mA	I_B mA	h_{FE} min @	I_C mA	V_{CE} V	h_{FE} min @	I_C A	V_{CE} V	f_T min @ MHz	I_C mA	PIN OUT 123
NPN																
ZTX458	400	400	0.3	0.5	0.5	50	6	100	50	10	15	0.1	10	50	10	CBE
ZTX457	300	300	0.5	1	0.3	100	10	50	50	10	25	0.1	10	75	50	CBE
ZTX456	200	200	0.5	1	0.3	100	10	50	50	10	25	0.1	10	75	50	CBE
ZTX455	160	140	1	2	0.7	150	15	100	150	10	10#	1	10	100	50	CBE
FXT455	160	140	1	2	0.7	150	15	100	150	10	10#	1	10	100	50	BCE
ZTX454	140	120	1	2	0.7	150	15	100	150	10	30	0.2	1	100	50	CBE
ZTX453	120	100	1	2	0.7	150	15	40	150	10	10	1	10	150	50	CBE
FXT453	120	100	1	2	0.7	150	15	40	150	10	10	1	10	150	50	BCE
ZTX452	100	80	1	2	0.7	150	15	40	150	10	10	1	10	150	50	CBE
ZTX451	80	60	1	2	0.35	150	15	50	150	10	10	1	10	150	50	CBE
FXT451	80	60	1	2	0.35	150	15	50	150	10	10	1	10	150	50	BCE
ZTX450	60	45	1	2	0.25	150	15	100	150	10	15	1	10	150	50	CBE
FXT450	60	45	1	2	0.25	150	15	100	150	10	15	1	10	150	50	BCE
ZTX449	50	30	1	2	0.5	1000	100	100	500	2	40	2	2	150	50	CBE
FXT449	50	30	1	2	0.5	1000	100	100	500	2	40	2	2	150	50	BCE
PNP																
ZTX558	-400	-400	-0.2	-0.5	-0.5	-50	-6	100	-50	-10	15	-0.1	-10	50	-10	CBE
ZTX557	-300	-300	-0.5	-1	-0.3	-50	-5	50	-10	-10	50	-0.05	-10	75	-50	CBE
FXT557	-300	-300	-0.5	-1	-0.3	-50	-5	50	-10	-10	50	-0.05	-10	75	-50	BCE
ZTX576	-200	-200	-1	-2	-0.3	-100	-10	50	-10	-10	50	-0.3	-10	100	-50	CBE
ZTX556	-200	-200	-0.5	-1	-0.3	-50	-5	50	-10	-10	50	-0.05	-10	75	-50	CBE
ZTX555	-160	-150	-1	-2	-0.3	-100	-10	50	-10	-10	50	-0.3	-10	100	-50	CBE
FXT555	-160	-150	-1	-2	-0.3	-100	-10	50	-10	-10	50	-0.3	-10	100	-50	BCE
ZTX554	-140	-125	-1	-2	-0.3	-100	-10	50	-10	-10	50	-0.3	-10	100	-50	CBE
ZTX553	-120	-100	-1	-2	-0.25	-150	-15	40	-150	-10	10	-1	-10	150	-50	CBE
FXT553	-120	-100	-1	-2	-0.25	-150	-15	40	-150	-10	10	-1	-10	150	-50	BCE
ZTX552	-100	-80	-1	-2	-0.25	-150	-15	40	-150	-10	10	-1	-10	150	-50	CBE
ZTX551	-80	-60	-1	-2	-0.35	-150	-15	50	-150	-10	10	-1	-10	150	-50	CBE
FXT551	-80	-60	-1	-2	-0.35	-150	-15	50	-150	-10	10	-1	-10	150	-50	BCE
ZTX550	-60	-45	-1	-2	-0.25	-150	-15	100	-150	-10	15	-1	-10	150	-50	CBE
FXT550	-60	-45	-1	-2	-0.25	-150	-15	100	-150	-10	15	-1	-10	150	-50	BCE
ZTX549A	-35	-30	-1	-2	-0.5	-1000	-100	150	-500	-2	40	-2	-2	100	-100	CBE
ZTX549	-35	-30	-1	-2	-0.5	-1000	-100	100	-500	-2	40	-2	-2	100	-100	CBE
FXT549	-35	-30	-1	-2	-0.5	-1000	-100	100	-500	-2	40	-2	-2	100	-100	BCE

#Typical Values

TABLE 6: MEDIUM POWER TRANSISTORS

General purpose transistors designed for amplification from d.c. to radio frequencies.

PART NO.	V_{CBO} V	V_{CEO} V	I_C A	$V_{CE(sat)}$ max @ V	I_C mA	I_B mA	h_{FE} min @	I_C mA	V_{CE} V	h_{FE} min @	I_C mA	V_{CE} V	f_T min @ MHz	I_C mA	PIN OUT 123
NPN															
2N6718	100	80	1	0.35	250	25	50	250	1	20	500	1	50	50	CBE
2N6731	100	100	1	0.35	350	35	100	10	2	100	350	2	50	200	CBE
2N6717	80	80	1	0.35	250	25	50	250	1	20	500	1	50	50	CBE
MPSA06	80	80	0.5	0.25	100	10	50	10	1	50	100	1	100	10	CBE
2N6716	60	60	1	0.35	250	25	50	250	1	20	500	1	50	50	CBE
ZTX337C	50	45	0.8	0.7	500	50	250	100	1	170	300	1	200#	10	CBE
2N6715	50	40	1	0.5	1000	100	60	100	1	50	1000	1	50	50	CBE
2N6714	40	30	1	0.5	1000	100	60	100	1	50	1000	1	50	50	CBE
PNP															
2N6730	-100	-100	-1	-0.35	-250	-25	50	-250	-1	20	-500	-1	50	-50	CBE
2N6732	-100	-80	-1	-0.35	-350	-35	100	-10	-2	100	-350	-2	50	-200	CBE
2N6729	-80	-80	-1	-0.35	-250	-25	50	-250	-1	20	-500	-1	50	-50	CBE
MPSA56	-80	-80	-0.5	-0.25	-100	-10	50	-10	-1	50	-100	-1	100	-10	CBE
2N6728	-60	-60	-1	-0.35	-250	-25	50	-250	-1	20	-500	-1	50	-50	CBE
ZTX537C	-50	-45	-0.8	-0.7	-500	-50	250	-100	-1	170	-300	-1	200#	-10	CBE
2N6727	-50	-40	-1	-0.5	-1000	-100	60	-100	-1	50	-1000	-1	50	-50	CBE
2N6726	-40	-30	-1	-0.5	-1000	-100	60	-100	-1	50	-1000	-1	50	-50	CBE

#Typical Values