

# TABLE 7 : NPN/PNP MEDIUM POWER

The transistors shown in this table have been designed to operate and provide useful gain at current levels up to 2 amps with power dissipation capabilities in excess of 1000mW at 25°C ambient temperature.

Typical application areas include: Audio Frequency Drivers and Output Stages, Relay Switching, etc.

Type	V <sub>CB0</sub> V	V <sub>CEO</sub> V	Max Cont. I <sub>C</sub> mA	Max V <sub>CE(sat)</sub> at		h <sub>FE</sub> at			Min f <sub>T</sub> at		P <sub>tot</sub> at T <sub>amb</sub> = 25°C mW	Complement	
				I <sub>C</sub> mA	I <sub>B</sub> mA	Min	Max	I <sub>C</sub> mA	MHz	I <sub>C</sub> mA			
<b>NPN</b>													
ZTX455	160	140	1000	0.7	150	15	100	300	150	100	50	1000	—
ZTX454	140	120	1000	0.7	150	15	100	300	150	100	50	1000	—
ZTX653	120	100	2000	0.3	1000	100	100	300	500	100	100	1000	ZTX753
ZTX453	120	100	1000	0.7	150	15	40	200	150	150	50	1000	—
ZTX652	100	80	2000	0.3	1000	100	100	300	500	100	100	1000	ZTX752
ZTX452	100	80	1000	0.7	150	15	40	150	150	150	50	1000	—
MPSA06	80	80	500	0.25	100	10	50	—	100	100	10	750	MPSA56
ZTX651	80	60	2000	0.3	1000	100	100	300	500	100	100	1000	ZTX751
ZTX451	80	60	1000	0.35	150	15	50	150	150	150	50	1000	ZTX551
MPSA05	60	60	500	0.25	100	10	50	—	100	100	10	750	MPSA55
ZTX650	60	45	2000	0.3	1000	100	100	300	500	100	100	1000	ZTX750
ZTX450	60	45	1000	0.25	150	15	100	300	150	50	50	1000	ZTX550
ZTX337	50	45	800	0.7	500	50	100	630	100	200*	10	750	ZTX537
BC337P	50	45	800	0.7	500	50	100	630	100	100	10	625	BC327P
ZTX449	50	30	1000	0.5	1000	100	100	300	500	150	50	1000	ZTX549
ZTX338	30	25	800	0.7	500	50	100	630	100	200*	10	750	ZTX538
BC338P	30	25	800	0.7	500	50	100	630	100	100	10	625	BC328P
<b>PNP</b>													
ZTX753	120	100	2000	0.3	1000	100	100	100	500	75	100	1000	ZTX653
ZTX752	100	80	2000	0.3	1000	100	100	300	500	75	100	1000	ZTX652
ZTX552	100	80	1000	0.7	150	15	40	150	150	150	50	1000	ZTX452
MPSA56	80	80	500	0.25	100	10	50	—	100	100	10	750	MPSA06
ZTX751	80	60	2000	0.3	1000	100	100	300	500	75	100	1000	ZTX651
ZTX551	80	60	1000	0.35	150	15	50	150	150	150	50	1000	ZTX451
MPSA55	60	60	500	0.25	100	10	50	—	100	100	10	750	MPSA05
ZTX750	60	45	2000	0.3	1000	100	100	300	500	75	100	1000	ZTX650
ZTX550	60	45	1000	0.25	150	15	100	300	150	150	50	1000	ZTX450
ZTX537	50	45	800	0.7	500	50	100	630	100	200*	10	750	ZTX337
BC327P	50	45	800	0.7	500	50	100	630	100	100	10	625	BC337P
ZTX549	35	25	1000	0.5	1000	100	100	300	1000	100	100	1000	ZTX449
ZTX538	30	25	800	0.7	500	50	100	630	100	200*	10	750	ZTX338
BC328P	30	25	800	0.7	500	50	100	630	100	100	10	625	BC338P

\*Typical