

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 _{CB0} V | V _{CEO} V | Max Cont. I _C mA | Max V _{CE(sat)} at | | | h _{FE} at | | | Min f _T at | | P _{tot} at T _{amb} = 25°C mW | Complement |
|------------|-----------------------|-----------------------|--------------------------------------|--------------------------------|----------------------|----------------------|-----------------------|-----|----------------------|--------------------------|----------------------|--|------------|
| | | | | V | I _C mA | I _B mA | Min | Max | I _C mA | MHz | I _C mA | | |
| NPN | | | | | | | | | | | | | |
| 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 |
| PNP | | | | | | | | | | | | | |
| 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