

ELECTRICAL CHARACTERISTICS

N.P.N. MEDIUM POWER

| Dice Type | V _{CB0} Min. | V _{CE0} Min. | I _{CB0} Max. at V _{CB} | | h _{FE} @ I _C | | | V _{CE} | V _{CE(sat)} I _C | | | I _B | f _T Min. | C _{obo} Max. | Geometry |
|-----------|--------------------------|--------------------------|---|-----|-------------------------------------|------|-----|-----------------|--|------|-----|----------------|------------------------|--------------------------|----------|
| | V | V | nA | V | Min. | Max. | mA | V | Max. | mA | mA | MHz | pF | | |
| ZTX653 | 120 | 100 | 100 | 100 | 100 | 300 | 500 | 2 | 0.5 | 2000 | 200 | 140 | — | G17 | |
| ZTX453 | 120 | 100 | 100 | 100 | 40 | 200 | 150 | 10 | 0.7 | 150 | 15 | 150 | 15 | G4 | |
| ZTX652 | 100 | 80 | 100 | 80 | 100 | 300 | 500 | 2 | 0.5 | 2000 | 200 | 140 | — | G17 | |
| ZTX452 | 100 | 80 | 100 | 80 | 40 | 150 | 150 | 10 | 0.7 | 150 | 15 | 150 | 15 | G4 | |
| MPSA06 | 80 | 80 | 100 | 80 | 50 | — | 100 | 1 | 0.25 | 100 | 10 | 100 | — | G4 | |
| ZTX651 | 80 | 60 | 100 | 60 | 100 | 300 | 500 | 2 | 0.5 | 2000 | 200 | 140 | — | G17 | |
| ZTX451 | 80 | 60 | 100 | 60 | 50 | 150 | 150 | 10 | 0.35 | 150 | 15 | 150 | 15 | G4 | |
| BFY50 | 80 | 35 | 500 | 80 | 30 | — | 150 | 10 | 0.1 | 10 | 1 | 60 | 12 | G4 | |
| MPSA05 | 60 | 60 | 100 | 60 | 50 | — | 100 | 1 | 0.25 | 100 | 10 | 100 | — | G4 | |
| ZTX650 | 60 | 45 | 100 | 45 | 100 | 300 | 500 | 2 | 0.5 | 2000 | 200 | 140 | — | G17 | |
| ZTX450 | 60 | 45 | 100 | 45 | 100 | 300 | 150 | 10 | 0.25 | 150 | 15 | 150 | 15 | G4 | |
| BFY51 | 60 | 30 | 500 | 60 | 40 | — | 150 | 10 | 0.15 | 10 | 1 | 50 | 12 | G4 | |
| BC337A | 50 | 45 | 100* | 45 | 100 | 250 | 100 | 1 | 0.7 | 500 | 50 | 100 | 12 | G4 | |
| BC337B | 50 | 45 | 100* | 45 | 160 | 400 | 100 | 1 | 0.7 | 500 | 50 | 100 | 12 | G4 | |
| BC337C | 50 | 45 | 100* | 45 | 250 | 630 | 100 | 1 | 0.7 | 500 | 50 | 100 | 12 | G4 | |
| BFY52 | 40 | 20 | 500 | 40 | 60 | — | 150 | 10 | 0.15 | 10 | 1 | 50 | 12 | G4 | |
| BC338A | 30 | 25 | 100* | 25 | 100 | 250 | 100 | 1 | 0.7 | 500 | 50 | 100§ | 12§ | G4 | |
| BC338B | 30 | 25 | 100* | 25 | 160 | 400 | 100 | 1 | 0.7 | 500 | 50 | 100§ | 12§ | G4 | |
| BC338C | 30 | 25 | 100* | 25 | 250 | 630 | 100 | 1 | 0.7 | 500 | 50 | 100§ | 12§ | G4 | |

P.N.P. MEDIUM POWER

| Dice Type | V _{CB0} Min. | V _{CE0} Min. | I _{CB0} Max. at V _{CB} | | h _{FE} @ I _C | | | V _{CE} | V _{CE(sat)} I _C | | | I _B | f _T Min. | C _{obo} Max. | Geometry |
|-----------|--------------------------|--------------------------|---|-----|-------------------------------------|------|-----|-----------------|--|------|-----|----------------|------------------------|--------------------------|----------|
| | V | V | nA | V | Min. | Max. | mA | V | Max. | mA | mA | MHz | pF | | |
| ZTX753 | 120 | 100 | 100 | 100 | 100 | 300 | 500 | 2 | 0.5 | 2000 | 200 | 100 | — | G16 | |
| ZTX752 | 100 | 80 | 100 | 80 | 100 | 300 | 500 | 2 | 0.5 | 2000 | 200 | 100 | — | G16 | |
| ZTX552 | 100 | 80 | 100 | 80 | 40 | 150 | 150 | 10 | 0.7 | 150 | 15 | 150 | 25 | G6 | |
| MPSA56 | 80 | 80 | 100 | 80 | 50 | — | 100 | 1 | 0.25 | 100 | 10 | 100 | — | G6 | |
| ZTX751 | 80 | 60 | 100 | 60 | 100 | 300 | 500 | 2 | 0.5 | 2000 | 200 | 100 | — | G16 | |
| ZTX551 | 80 | 60 | 100 | 60 | 50 | 150 | 150 | 10 | 0.35 | 150 | 15 | 150 | 25 | G6 | |
| MPSA55 | 60 | 60 | 100 | 60 | 50 | — | 100 | 1 | 0.25 | 100 | 10 | 100 | — | G6 | |
| ZTX750 | 60 | 45 | 100 | 45 | 100 | 300 | 500 | 2 | 0.5 | 2000 | 200 | 100 | — | G16 | |
| ZTX550 | 60 | 45 | 100 | 45 | 100 | 300 | 150 | 10 | 0.25 | 150 | 15 | 150 | 25 | G6 | |
| BC327A | 50 | 45 | 100* | 45 | 100 | 250 | 100 | 1 | 0.7 | 500 | 50 | 100§ | 12§ | G6 | |
| BC327B | 50 | 45 | 100* | 45 | 160 | 400 | 100 | 1 | 0.7 | 500 | 50 | 100§ | 12§ | G6 | |
| BC327C | 50 | 45 | 100* | 45 | 250 | 630 | 100 | 1 | 0.7 | 500 | 50 | 100§ | 12§ | G6 | |
| BC328A | 30 | 25 | 100* | 25 | 100 | 250 | 100 | 1 | 0.7 | 500 | 50 | 100§ | 12§ | G6 | |
| BC328B | 30 | 25 | 100* | 25 | 160 | 400 | 100 | 1 | 0.7 | 500 | 50 | 100§ | 12§ | G6 | |
| BC328C | 30 | 25 | 100* | 25 | 250 | 630 | 100 | 1 | 0.7 | 500 | 50 | 100§ | 12§ | G6 | |

V_{CE(sat)}, f_T and C_{obo} are parameters which are assembly dependent and figures quoted are those typically achieved on Ferranti assembly lines.

*I_{CES} at V_{CES} §Typical