



Transistors

Continued

| Type | Constr | Outline | P _{tot} | f _α | V _{cbo} | h _{fe} | at I _c | Notes | Price £ |
|---------|--------|---------|---|----------------------|------------------|--------------------|-------------------|---|--------------------------------------|
| 2N987 | G/PNP | T018 | 100mW | 100mc ⁽²⁾ | -40 | 40-250 | 1mA | VHF | 0.30** |
| 2N1131 | S/PNP | T05 | 600mW | 50mc ⁽²⁾ | -50 | 20-45 | 150mA | HF Ampl. and Switching | 0.25* |
| 2N1132 | S/PNP | T05 | 600mW | 60mc ⁽²⁾ | -50 | 30-90 | 150mA | Complem. to 2N697 | 0.25* |
| 2N1146A | G/PNP | T03 | 90W | 4kc ⁽²⁾ | -60 | 60-150 | 5A | | 1.75 |
| 2N1146B | G/PNP | T03 | 90W | 4kc ⁽²⁾ | -80 | 60-150 | 5A | | 2.00 |
| 2N1184 | G/PNP | T08 | 7.5W ⁽⁵⁾ | 500kc ⁽¹⁾ | -45 | 40-120 | 400mA | Ampl. and Switching | 1.25* |
| 2N1302 | G/NPN | T05 | 150mW | 10mc ⁽²⁾ | +25 | 50 ⁽²⁾ | 10mA | Complementary transistors for Medium current medium speed logic and general industrial application | 0.17*** |
| 2N1303 | G/PNP | T05 | 150mW | 5mc ⁽²⁾ | -30 | 50 ⁽²⁾ | 10mA | | 0.17*** |
| 2N1304 | G/NPN | T05 | 150mW | 15mc ⁽²⁾ | +25 | 40-100 | 10mA | | 0.20* |
| 2N1305 | G/PNP | T05 | 150mW | 10mc ⁽²⁾ | -30 | 40-100 | 10mA | | 0.20*** |
| 2N1306 | G/NPN | T05 | 150mW | 20mc ⁽²⁾ | +25 | 60-200 | 10mA | | 0.25*** |
| 2N1307 | G/PNP | T05 | 150mW | 15mc ⁽²⁾ | -30 | 60-200 | 10mA | | 0.25*** |
| 2N1308 | G/NPN | T05 | 150mW | 30mc ⁽²⁾ | +25 | 80-300 | 10mA | | 0.25*** |
| 2N1309 | G/PNP | T05 | 150mW | 20mc ⁽²⁾ | -30 | 80-300 | 10mA | | Medium current medium speed logic |
| 2N1554 | G/PNP | T03 | 100W ⁽⁵⁾ | 6kc ⁽²⁾ | -60 | 30-60 | 10A | AF power | 1.25 |
| 2N1613 | S/NPN | T05 | 800mW | 60mc ⁽¹⁾ | +75 | 40-120 | 150mA | G.P. and Switching | 0.17* |
| 2N1711 | S/NPN | T05 | 800mW | 70mc ⁽¹⁾ | +75 | 100-300 | 150mA | | 0.20* |
| 2N1756 | G/PNP | MS7 | 28W | 15kc ⁽²⁾ | -60 | 55 ⁽²⁾ | 500mA | | 0.75 |
| 2N1905 | G/PNP | T03 | 30W ⁽⁵⁾ | 75kc ⁽²⁾ | +100 | 50-150 | 1A | Inverters, wide band amplifiers | 2.10 |
| 2N2147 | G/PNP | T03 | 12.5W | 4mc ⁽²⁾ | -75 | 150 ⁽²⁾ | 1A | Audio Amplifiers | 0.75 |
| 2N2160 | | UJ | R _{BB} =4-12k; η=.47-.80; I _v =8mA; I _p =25 μA | | | | | Unijunction | 0.60 |
| 2N2217 | S/NPN | T05 | 800mW | 250mc ⁽¹⁾ | +60 | 20-60 | 150mA | High speed Switching D.C. Ampl. and VHF/UHF | 0.25* |
| 2N2218 | S/NPN | T05 | 800mW | 250mc ⁽¹⁾ | +60 | 40-120 | 150mA | | 0.20* |
| 2N2219 | S/NPN | T05 | 800mW | 250mc ⁽¹⁾ | +60 | 100-300 | 150mA | | 0.20* |
| 2N2369A | S/NPN | T018 | 360mW | 500mc ⁽²⁾ | +40 | 40-120 | 10mA | VHF/UHF | 0.15* |
| 2N2477 | S/NPN | T05 | 600mW | 250mc ⁽¹⁾ | +60 | 40 ⁽¹⁾ | 150mA | High speed Switch | 0.65* |
| 2N2646 | S/PNP | UJ | R _{BB} =4.7-9.1k; η=.56-.75; I _v =4mA; I _p =5 μA | | | | | Unijunction | 0.40* |
| 2N2905 | S/PNP | T05 | 600mW | 200mc ⁽¹⁾ | -40 | 100-300 | 150mA | DC to VHF Ampl. | 0.25* |
| 2N2923 | S/NPN | R067 | 200mW | 120mc ⁽²⁾ | +25 | 90-180 | 2mA | Wide band | 0.12 |
| 2N2924 | S/NPN | R067 | 200mW | 120mc ⁽²⁾ | +25 | 150-300 | 2 μA | Amplifiers | 0.13 |
| 2N2926 | S/NPN | R067 | 200mW | 120mc ⁽²⁾ | +18 | 35-70 | 2mA | Brown | 0.10 |

Notes

(1) Minimum value

(2) Average value

(3) Max. unilateralized power gain

(4) Max. frequency of oscillation

(5) With heat sink

P_{tot}: Max. total dissipation in free air at 25°C ambient temp.

V_{cbo}: Max. collector-to-base voltage, emitter open-circuited

h_{fe}: Large signal (D.C.) or small signal forward current gain.

* Collector connected to case.

** Shield connected to case.

*** Base connected to case.