

POWER SILICON NPN

| Item Number | Part Number | Manufacturer | I _c Max (A) | V _{(BR)CEO} (V) | h _{FE} | | f _T (Hz) | I _{CB0} Max (A) | t _r Max (s) | t _f Max (s) | P _D Max (W) | T _{per} Max (°C) | Package Style | |
|----------------------------------|-------------|--------------|------------------------|--------------------------|-----------------|------|---------------------|--------------------------|------------------------|------------------------|------------------------|---------------------------|---------------|------|
| | | | | | Min | Max | | | | | | | | |
| I(C) >= 10 A, (Cont'd) | | | | | | | | | | | | | | |
| - | FGT3055 | FerrantiLtd | 15 | 60 | 5.0 | | | .70m | | | 75 | 140 C | TO-220AB | |
| - | BDX10 | See Index | 15 | 60 | 5 | 70 | 800k | | | | 117 | 175 J | TO-3 | |
| - | SGS3055 | SGS-Ates | 15 | 60 | 5.0 | | 2.5M | 1.0m | | | | 175 J | TO-3 | |
| - | SGS3055 | NthAmerSemi | 15 | 60 | 5.0 | | 2.5M | 1.0m | | | | 175 J | TO-3 | |
| 5 | 2N3055A | See Index | 15 | 60 | 10 | 70 | 800k | 5.0m | | | 115 | 175 J | TO-3 | |
| - | 2N5412 | See Index | 15 | 60 | 10 | 160 | 60M | 1.0m | 4.0u | 300n | 100 | 175 J | TO-61 | |
| - | SDT9206 | Sld St Dvcs | 15 | 60 | 15 | 70 | 800k | 700u | | | 117 | 175 J | TO-3 | |
| - | BD907 | See Index | 15 | 60 | 15 | 150 | 3.0M | 500u | | | 90 | 140 J | TO-220AB | |
| - | BDT81 | PhilipsElec | 15 | 60 | 15 | | 10M | 1.0m | | | 117 | 140 J | TO-220AB | |
| 10 | BDT81 | NthAmerSemi | 15 | 60 | 15 | | 10M | 1.0m | | | 117 | 140 J | TO-220AB | |
| - | BDT81 | AmperexElec | 15 | 60 | 15 | | 10M | 1.0m | | | 117 | 140 J | TO-220AB | |
| - | BD743A | TexsInstLtd | 15 | 60 | 20 | 150 | 100u | 350n | 400n | | 2.0 | 140 J | TO-220AB | |
| - | BD743A | NthAmerSemi | 15 | 60 | 20 | 150 | 100u | 350n | 400n | | 2.0 | 140 J | TO-220AB | |
| - | BD743A | Semelab | 15 | 60 | 20 | 150 | 100u | 350n | 400n | | 2.0 | 140 J | TO-220AB | |
| 15 | SSP3055 | SldSt Indus | 15 | 60 | 20 | 70 | | | | | 90 | | N/A | |
| - | 2SD151 | NEC Corp JA | 15 | 60 | 20 | 100 | | 1.0m | | | 120 | 140 J | TO-3 | |
| - | 2SD151 | Solid Stlnc | 15 | 60 | 20 | 100 | | 1.0m | | | 120 | 140 J | TO-3 | |
| - | 1561-0604 | Powerex Inc | 15 | 60 | 20 | 70 | 800 | 2.0 | | | 120 | 175 C | TO-3 | |
| - | BD182 | See Index | 15 | 60 | 20 | 70 | 20k | 5.0m | | | 117 | 175 J | TO-3 | |
| 20 | BDX10C | SGS-Ates | 15 | 60 | 20 | 160 | 800k | 700u | | | 115 | 175 J | TO-3 | |
| - | BD191 | NthAmerSemi | 15 | 60 | 20 | 250 | 800k | | | | 37 | 175 J | TO-66 | |
| - | RCA3055 | GE Solid St | 15 | 60 | 20 | 70 | 800k | 700u | | | 75 | 140 J | TO-220AB | |
| - | 2N3055 | See Index | 15 | 60 | 20 | 70 | 800k | 5.0m | | 300n | 115 | 175 J | TO-3 | |
| 25 | 2N3055H | See Index | 15 | 60 | 20 | 70 | 800k | 700u | | | 115 | 175 J | TO-3 | |
| - | 2N3055S | Space Power | 15 | 60 | 20 | 70 | 800k | 700u | | | 117 | 175 J | TO-3 | |
| - | 2SD341H | Hitachi Ltd | 15 | 60 | 20 | 70 | 800k | 700u | | | 115 | 175 J | TO-3 | |
| - | BDY20 | Solitron | 15 | 60 | 20 | 70 | 1.0M | 5.0m | 2.0u | | 115 | 175 J | TO-3 | |
| - | BDY20 | PhilipsElec | 15 | 60 | 20 | 70 | 1.0M | 5.0m | 2.0u | 2.5u | 115 | 175 J | TO-3 | |
| - | BDY20 | Semelab | 15 | 60 | 20 | 70 | 1.0M | 5.0m | 2.0u | 2.5u | 115 | 175 J | TO-3 | |
| 30 | BD130 | See Index | 15 | 60 | 20 | 70 | 1.1M | 5.0m | | | 100 | 175 J | TO-3 | |
| - | 2N3055E | Semelab | 15 | 60 | 20 | 70 | 2.5M | 1.0 | | | 115 | 175 | TO-3 | |
| - | 2N3055E | IntlPwrSemi | 15 | 60 | 20 | 70 | 2.5M | 1.0 | | | 115 | 175 | TO-3 | |
| - | BDW51A | Semelab | 15 | 60 | 20 | 150 | 3.0M | 500u | | | 125 | 175 J | TO-3 | |
| 35 | BDW51A | SGS-Ates | 15 | 60 | 20 | 150 | 3.0M | 500u | | | 125 | 175 J | TO-3 | |
| - | BDW51A | CentralSemi | 15 | 60 | 20 | 150 | 3.0M | 500u | | | 125 | 175 J | TO-3 | |
| - | MJE1661 | NthAmerSemi | 15 | 60 | 20 | 100 | 3.0M | 700u | | | 90 | 140 J | TO-127var | |
| - | MJE1661 | CrimsonSemi | 15 | 60 | 20 | 100 | 3.0M | 700u | | | 90 | 140 J | TO-127var | |
| - | MJE1661 | Motorola | 15 | 60 | 20 | 100 | 3.0M | 700u | | | 90 | 140 J | TO-127var | |
| - | 2SD878 | Indust Mexi | 15 | 60 | 20 | 70 | 3.0M | 100u | | | 115 | 175 J | TO-3 | |
| 40 | DTS103 | SemiconTech | 15 | 60 | 20 | 55 | 4.0M | 250u | | 550n | 350n | 125 | 140 J | TO-3 |
| - | ST5103 | SiliconTran | 15 | 60 | 20 | 55 | 4.0M | 250u | 550n | | 800n | 125 | 140 J | TO-3 |
| - | 2N5881 | See Index | 15 | 60 | 20 | 100 | 4.0M | 500u | 700n | | 160 | 175 J | TO-3 | |
| - | SDT9802 | PPC Product | 15 | 60 | 20 | 60 | 5.0M | 1.0u | | | 90 | | TO-3 | |
| 45 | SDT9802 | Solitron | 15 | 60 | 20 | 60 | 5.0M | 1.0u | | | 90 | | TO-3 | |
| - | SDT9802 | Sld St Dvcs | 15 | 60 | 20 | 60 | 5.0M | 1.0u | | | 90 | | TO-3 | |
| - | SDT9902 | PPC Product | 15 | 60 | 20 | 60 | 5.0M | 1.0u | | | 115 | | TO-61 | |
| - | SDT9902 | Solitron | 15 | 60 | 20 | 60 | 5.0M | 1.0u | | | 115 | | TO-61 | |
| - | TIP73A | Texas Instr | 15 | 60 | 20 | 150 | 5.0M | 50u | 350n | 400n | 80 | 140 S | TO-220AB | |
| - | 2N6487 | See Index | 15 | 60 | 20 | 150 | 5.0M | 1.0m | | | 30 | 140 J | TO-220AB | |
| 50 | BDY55 | See Index | 15 | 60 | 20 | 70 | 10M | 700u | 500n | 300n | 115 | 175 J | TO-3 | |
| - | D44VH7 | See Index | 15 | 60 | 20 | | 50M | 10u | 300n | | 75 | 140 J | TO-220AB | |
| - | BDY39 | See Index | 15 | 60 | 25 | 100 | 1.1M | 1.0m | | | 115 | 175 J | TO-3 | |
| - | BD545A | TexsInstLtd | 15 | 60 | 25 | | 3.0M | 400u | 600n | | 85 | 140 J | TO-218 | |
| - | BD545A | NthAmerSemi | 15 | 60 | 25 | | 3.0M | 400u | 600n | | 85 | 140 J | TO-218 | |
| 55 | MJE5220 | Motorola | 15 | 60 | 35 | | | 10u | 250n | 100n | 83 | 140 J | TO-220AB | |
| - | MJE5221 | Motorola | 15 | 60 | 35 | | | 10u | 250n | 100n | 83 | 140 J | TO-220AB | |
| - | BD347 | Natl Semi | 15 | 60 | 40 | 140 | 4.0M | 10u | | | 60 | 140 J | TO-220AB | |
| - | BDT81F | PhilipsElec | 15 | 60 | 50 | | | | | | | | SOT-186 | |
| - | BDY73 | IntlPwrSemi | 15 | 60 | 50 | 150 | 800k | 5.0m | | | 117 | 175 J | TO-3 | |
| 60 | BDY73 | NthAmerSemi | 15 | 60 | 50 | 150 | 800k | 5.0m | | | 117 | 175 J | TO-3 | |
| - | BDY73 | Semelab | 15 | 60 | 50 | 150 | 800k | 5.0m | | | 117 | 175 J | TO-3 | |
| - | DTS104 | SemiconTech | 15 | 60 | 50 | 120 | 4.0M | 250u | 550n | 350n | 125 | 140 J | TO-3 | |
| - | STS104 | SiliconTran | 15 | 60 | 50 | 120 | 4.0M | 250u | 550n | | 125 | 175 J | TO-3 | |
| 65 | 2SC3256 | Sanyo Elect | 15 | 60 | 70 | 280 | 100M | 0.1m | 0.1u | | 80 | 140 | TO-218var | |
| - | 2SC3694 | NEC Corp JA | 15 | 60 | 100 | 400 | 120M | 10u | 300n | 300n | 30 | 140 J | SOT-186 | |
| - | BDW40 | Semelab | 15 | 60 | 1.0k | | 4.0M | | | | 85 | | TO-220 | |
| - | 2SD1193 | Sanyo Elect | 15 | 60 | 2.0k | 5.0k | 20M | 0.1m | | | 70 | 140 J | TO-218var | |
| - | SK3222 | GE Solid St | 15 | 60 | 2.5k | | 40M | | | | 65 | | TO-220 | |
| - | SD1407-8 | ThmsnCSFEFC | 15 | 65 | | | 80M | | | | 270 | 175 J | SOT-119 | |
| 70 | PTC140 | Mallory | 15 | 65 | 90 | | 1.0M | 500u | | | 115 | | TO-3 | |
| - | KT818V | V/O Electro | 15 | 70 | 15 | | 3.0M | 1.0m | | | 100 | 125 J | TO-220AB | |
| - | BDX60 | IntlPwrSemi | 15 | 70 | 20 | 70 | 800k | 5.0M | | | 150 | 175 J | TO-3 | |
| - | BDX60 | SGS-Ates | 15 | 70 | 20 | 70 | 800k | 5.0M | | | 150 | 175 J | TO-3 | |
| - | BDX60 | NthAmerSemi | 15 | 70 | 20 | 70 | 800k | 5.0M | | | 150 | 175 J | TO-3 | |
| 75 | TIP3055 | See Index | 15 | 70 | 20 | 70 | 3.0M | 1.0m | 600n | 1.0u | 3.5 | 140 J | TO-247 | |
| - | 2N6471 | See Index | 15 | 70 | 20 | 150 | 5.0M | 1.0m | | | 71 | 175 J | TO-3 | |
| - | 2SC2432 | Fujitsu Ltd | 15 | 70 | 35 | 200 | 80M | 50u | 200n | 150n | 100 | 175 J | TO-3 | |
| - | BDT53 | PhilipsElec | 15 | 80 | | | | 500u | | | 90 | 140 J | TO-220AB | |
| - | BDT53 | NthAmerSemi | 15 | 80 | | | | 500u | | | 90 | 140 J | TO-220AB | |
| 80 | 2N3238 | See Index | 15 | 80 | 8.5 | 25 | 1.0M | 5.0m | | | 150 | 175 C | TO-3 | |
| - | 2N3239 | See Index | 15 | 80 | 8.5 | 25 | 1.0M | 5.0m | | | 150 | 175 C | TO-3 | |
| - | SM2176 | Semelab | 15 | 80 | 10 | | 3M | | | | 90 | | TO-220 | |
| - | PBD160 | Punjab Wire | 15 | 80 | 15 | 70 | | 2.0 | 2.0u | | 50 | | TO-3 | |
| 85 | SDT9207 | NthAmerSemi | 15 | 80 | 15 | 70 | 800k | 700u | | | 117 | 175 J | TO-3 | |
| - | SDT9207 | Sld St Dvcs | 15 | 80 | 15 | 70 | 800k | 700u | | | 117 | 175 J | TO-3 | |
| - | BD909 | See Index | 15 | 80 | 15 | 150 | 3.0M | 500u | | | 90 | 140 J | TO-220AB | |
| - | 2N5971 | See Index | 15 | 80 | 15 | 150 | 4.0M | | 600n | 500n | 85 | 175 J | TO-3 | |
| - | 2SD556 | Sanken Elec | 15 | 80 | 15 | 100 | 8.0M | 1.0m | | | 120 | 175 J | TO-3 | |
| - | BDT83 | AmperexElec | 15 | 80 | 15 | | 10M | 1.0m | | | 117 | 140 J | TO-220AB | |
| 90 | BDT83 | NthAmerSemi | 15 | 80 | 15 | | 10M | 1.0m | | | 117 | 140 J | TO-220AB | |
| - | BDT83 | PhilipsElec | 15 | 80 | 15 | | 10M | 1.0m | | | 117 | 140 J | TO-220AB | |
| - | 1561-0803 | Powerex Inc | 15 | 80 | 18 | 55 | 800 | 1.0 | | | 115 | 175 J | TO-3 | |
| - | BD743B | TexsInstLtd | 15 | 80 | 20 | 150 | 100u | 350n | 400n | | 2.0 | 140 J | TO-220AB | |
| - | BD743B | NthAmerSemi | 15 | 80 | 20 | 150 | 100u | 350n | 400n | | 2.0 | 140 J | TO-220AB | |
| 95 | BD743B | Semelab | 15 | 80 | 20 | 150 | 100u | 350n | 400n | | 2.0 | 140 J | TO-220AB | |
| - | 2N6254 | See Index | 15 | 80 | 20 | 70 | | 1.0m | | | 150 | 175 J | TO-3 | |
| - | 1561-0804 | Powerex Inc | 15 | 80 | 20 | 70 | 800 | | | | | | | |