

LOW-POWER SILICON PNP

| Item Number | Part Number | Manufacturer | V _{(BR)CEO} (V) | h _{FE} | I _C Max (A) | f _T (Hz) | C _{obo} Max (F) | I _{CBO} Max (A) | V _{(BR)CBO} (V) | P _D Max (W) | Derate at (W/°C) | T _{Oper} Max (°C) | Package Style |
|--------------------------------------|-------------|--------------|-----------------------------|-----------------|------------------------------|------------------------|--------------------------------|--------------------------------|-----------------------------|------------------------------|------------------------|----------------------------------|------------------|
| V(BR)CEO >= 50 V, (Cont'd) | | | | | | | | | | | | | |
| - | NB223XJ | Natl Semi | 65 | 260 | 500m | 50M | 4.5p | 500n | 70 | 600m | | 150 J | TO-92 |
| - | NB223YJ | Natl Semi | 65 | 260 | 500m | 50M | 4.5p | 500n | 70 | 600m | | 150 J | TO-92 |
| - | BC556P | FerrantiLtd | 65 | 450 | 100m | 250M | 3.0p | 15n | 80 | 500m | | 150 J | TO-92 |
| - | BC856BR | PhilipsElec | 65 | 475 | 100m | 150M | | 15n | | 200m | | 150 J | TO-236 |
| 5 | BC856BR | ITT SemiIntr | 65 | 475 | 100m | 150M | | 15n | | 200m | | 150 J | TO-236 |
| - | BC856BR | AmpereElec | 65 | 475 | 100m | 150M | | 15n | | 200m | | 150 J | TO-236 |
| - | BC856CR | PhilipsElec | 65 | 800 | 100m | 150M | | 15n | | 200m | | 150 J | TO-236 |
| V(BR)CEO >= 70 V | | | | | | | | | | | | | |
| - | 2SB1234 | Sanyo Elect | 50 | 5.0k | 200m | | | 100n | 80 | 200m | | 150 J | TO-236var |
| - | 2SB1235 | Sanyo Elect | 50 | 5.0k | 200m | | | 100n | 80 | 300m | | 150 J | SPAK |
| 10 | 2N1196 | See Index | 70 | 5.0 | 100m | | 4.0p | 250n | 70 | 350m | 2.0m | 175 J | TO-5 |
| - | 2N1197 | See Index | 70 | 5.0 | 100m | | 4.0p | 250n | 70 | 350m | 2.0m | 175 J | TO-5 |
| - | BCY93 | NthAmerSemi | 70 | 25 | 50m | 15.M | | 2n | 70 | 350m | 2.9m | 150 J | TO-18 |
| - | BCY94 | NthAmerSemi | 70 | 42 | 50m | 15.M | | 2n | 70 | 350m | 2.9m | 150 J | TO-18 |
| - | ZTX504 | FerrantiLtd | 70 | 50 | 500m | 150M | 6.0p | 200n | 70 | 300m | 3.0m | 175 S | TO-92var |
| 15 | BCY95 | NthAmerSemi | 70 | 70 | 50m | 15.M | | 2n | 70 | 350m | 2.9m | 150 J | TO-18 |
| - | ZT189 | FerrantiLtd | 70 | 90 | 500m | 150M | 15p | 500n | 70 | 300m | 2.4m | 150 J | TO-18 |
| - | BC311 | See Index | 70 | 110 | 1.0 | | 13p | 50n | 70 | 800m | | 175 | TO-5 |
| - | 2SA581 | Elac Trans | 70 | 120 | 600m | 100M | 18p | 1.0u | 100 | 800m | 5.3m | 175 J | TO-39 |
| - | 2SA1023 | NEC Corp JA | 70 | 200 | 100m | 180M | 4.5p | 0.1u | 70 | 250m | 2.5m | 125 J | TO-92 |
| 20 | 2SA1114 | MitsubiElec | 70 | 1.2k | 200m | 150M | 8.0p | 0.1u | 70 | 500m | 5.0m | 175 J | TO-92 |
| - | BCY22 | NthAmerSemi | 75 | 10 | 50m | 500k | 45p | 20n | 75 | 350m | 2.7m | 150 J | TO-5 |
| - | BFX41 | See Index | 75 | 40 | 1.0 | 100M | | 50n | 75 | 800m | | 175 J | TO-39 |
| - | 2N1922 | See Index | 80 | | 50m | 1.0M | 7.0p | | 80 | 250m | 1.6m | 175 S | TO-5 |
| - | 2SA1158Y | Indust Mexi | 80 | | 100m | 80M | 3.0p | | 80 | 400m | | 175 J | TO-92 |
| 25 | 2N1275 | See Index | 80 | 9.0 | 50m | 100k | 110p | 1.0u | 100 | 250m | 1.8m | 150 A | TO-5 |
| - | 2N5111 | See Index | 80 | 10 | 1 | 1.0M | 500p | 75u | 80 | 500m | 33m | 175 J | TO-5 |
| - | BFR60 | NthAmerSemi | 80 | 10 | 1.0 | 60M | 8.0p | 50n | 80 | 800m | 6.4m | 150 J | TO-92 |
| - | T1PP32B | TexInstLtd | 80 | 10 | 2.0 | | | 200u | 80 | 0.8 | | 150 J | TO-92 |
| - | 2S321 | Hybrid Semi | 80 | 15 | 50m | 1.0M | 40p | 10u | 80 | 300m | 2.4m | 200 J | TO-58 |
| 30 | 2S321 | Genrl Diode | 80 | 15 | 50m | 1.0M | 40p | 10u | 80 | 300m | 2.4m | 200 J | TO-58 |
| - | 2S321 | SemiconTech | 80 | 15 | 50m | 1.0M | 40p | 10u | 80 | 300m | 2.4m | 200 J | TO-58 |
| - | 2N2598 | See Index | 80 | 20 | 50m | 30M | 6.0p | 25n | 125 | 400m | 2.2m | 175 S | TO-46 |
| - | 2N3062 | See Index | 80 | 20 | 100m | 3.0M | 10p | 0.1u | 90 | 400m | 2.3m | 175 J | TO-46 |
| - | BSW40 | Micro Elecs | 80 | 20 | 1.0 | 50M | 20p | 30n | 100 | 700m | 4.5m | 175 J | TO-39 |
| 35 | BC345 | See Index | 80 | 20 | 1.0 | 100M | 20p | | 80 | 800m | | 175 J | TO-39 |
| - | BFR79 | See Index | 80 | 20 | 1.0 | 150M | 6.5p | 100n | 90 | 800m | 6.4m | 150 S | TO-92 |
| - | TL4356 | ThmsnCSFEFC | 80 | 25 | 100m | 100M | 30p | 50n | 80 | 800m | | 150 S | TO-105 |
| - | 2N946 | See Index | 80 | 25 | 50m | 1.0M | 14p | 5.0n | 80 | 250m | 1.6m | 175 S | TO-18 |
| - | PN4356 | See Index | 80 | 25 | 500m | 100M | 30p | 50n | 80 | 600m | 4.8m | 150 J | TO-92 |
| 40 | 2N4356 | See Index | 80 | 25 | 500m | 100M | | 50n | 80 | 350m | 3.4m | 125 J | TO-222AB |
| - | ESM640 | Mistral SpA | 80 | 25 | 1.0 | 50M | | 100n | 100 | 800m | 6.0m | 150 J | N/A |
| - | 2SA546A | Elac Trans | 80 | 25 | 1 | 80.M | 50p | 3.0u | 90 | 750m | 5.0m | 175 J | TO-39 |
| - | 2N4031 | See Index | 80 | 25 | 1.0 | 100M | | 50n | 80 | 800m | 4.5m | 175 J | TO-39 |
| - | BSS46 | See Index | 80 | 25 | 5.0 | 70M | | 500n | 85 | 870m | 5.0m | 175 J | TO-39 |
| 45 | HSE153 | Hybrid Semi | 80 | 30 | 50m | 100M | | 100n | 80 | 600m | 4.8m | 150 J | TO-5 |
| - | 2N1654 | See Index | 80 | 30 | 50m | 250k | 50p | 1.0u | 100 | 250m | 1.8m | 150 J | TO-5 |
| - | MPSH54 | CentralSemi | 80 | 30 | 100m | 80M | | 50n | 80 | 625m | 5.0m | 135 J | TO-226AA |
| - | MPSH54 | SemiconTech | 80 | 30 | 100m | 80M | | 50n | 80 | 625m | 5.0m | 135 J | TO-226AA |
| - | MPSH54 | Motorola | 80 | 30 | 100m | 80M | | 50n | 80 | 625m | 5.0m | 135 J | TO-226AA |
| 50 | MPSH55 | See Index | 80 | 30 | 100m | 80M | | 50n | 80 | 625m | 5.0m | 135 J | TO-226AA |
| - | BSW40-10 | NthAmerSemi | 80 | 30 | 1.0 | 50M | | 30n | 100 | 790m | 4.5m | 175 J | TO-39 |
| - | 2N4027 | See Index | 80 | 30 | 1 | 100M | | 0.05u | 80 | 500m | 2.9m | 175 J | TO-18 |
| - | HSE185 | Hybrid Semi | 80 | 40 | 50m | 50M | | 1.0u | 100 | 800m | 6.4m | 150 J | TO-5 |
| - | 2N2599 | See Index | 80 | 40 | 50m | 40M | 6.0p | 25n | 125 | 400m | 2.2m | 175 S | TO-46 |
| 55 | BFS91 | See Index | 80 | 40 | 100m | | | | 80 | 800m | | 175 S | TO-39 |
| - | 0802 | Advncd Semi | 80 | 40 | 500m | 80M | 15p | | 100 | 400m | | 175 S | TO-105 |
| - | 0802 | Semi Inc | 80 | 40 | 500m | 80M | 15p | | 100 | 400m | | 175 S | TO-105 |
| - | 2SA497 | See Index | 80 | 40 | 800m | 70M | 33p | 1.0u | 80 | 600m | 4.8m | 150 J | TO-39 |
| 60 | BC640 | See Index | 80 | 40 | 1.0 | 50M | | 100n | 100 | 800m | 6.0m | 150 | TO-92 |
| - | BSW40-16 | NthAmerSemi | 80 | 40 | 1.0 | 50M | | 30n | 100 | 790m | 4.5m | 175 J | TO-39 |
| - | A5T4027 | SemiconTech | 80 | 40 | 1.0 | 100M | 20p | 50n | 80 | 625m | 5.0m | 150 S | TO-92var |
| - | 2S301A | Semelab | 80 | 45 | 100m | 700k | | | 80 | 300m | | 150 S | TO-39 |
| - | BC534 | See Index | 80 | 50 | 50m | 50M | | 100n | 80 | 625m | | 150 J | TO-92 |
| - | HSE191 | Hybrid Semi | 80 | 50 | 50m | 50M | | 1.0u | 100 | 800m | 6.4m | 150 J | TO-5 |
| 65 | TMPTA56 | SprgueElec | 80 | 50 | 10m | 50M | | 100n | 80 | 350m | | 150 J | TO-236 |
| - | 2N3063 | See Index | 80 | 50 | 100m | 5.0M | 10p | 0.1u | 90 | 400m | 2.3m | 175 J | TO-46 |
| - | HT3 | FerrantiLtd | 80 | 50 | 100m | 50M | 10p | 100n | 90 | 300m | | 175 | SOT-89 |
| - | BC448 | See Index | 80 | 50 | 300m | 100M | | 100n | 80 | 625m | 5.0m | 150 J | TO-226AA |
| - | BC448-18 | Motorola | 80 | 50 | 300m | 100M | | 100n | 80 | 625m | 5.0m | 150 J | TO-18 |
| 70 | BC448-5 | Motorola | 80 | 50 | 300m | 100M | | 100n | 80 | 625m | 5.0m | 150 J | TO-5 |
| - | MMBTA56 | SprgueElec | 80 | 50 | 500m | 50M | | 100n | 80 | 225m | 1.8m | 150 J | SOT-23 |
| - | MMBTA56 | Natl Semi | 80 | 50 | 500m | 50M | | 100n | 80 | 225m | 1.8m | 150 J | SOT-23 |
| - | MMBTA56 | Motorola | 80 | 50 | 500m | 50M | | 100n | 80 | 225m | 1.8m | 150 J | SOT-23 |
| - | MMST-A56 | Rohm Corp | 80 | 50 | 500m | 50M | | 100n | 80 | 225m | 1.8m | 150 J | SOT-23 |
| 75 | MMST-A56 | Rohm Co Ltd | 80 | 50 | 500m | 50M | 8.5p | | | | | 150 J | SOT-23 |
| - | MPS-A56 | Rohm Co Ltd | 80 | 50 | 500m | 50M | | 100n | 80 | | | 150 J | TO-92 |
| - | MPS-A56 | Rohm Corp | 80 | 50 | 500m | 50M | | 100n | 80 | | | 150 J | TO-92 |
| - | MPS-A56 | GE Solid St | 80 | 50 | 500m | 50M | | 100n | 80 | | | 150 J | TO-92 |
| - | MPSA56 | See Index | 80 | 50 | 500m | 50M | | 100n | 80 | 625m | 5.0m | 150 J | TO-226AA |
| 80 | FMMT-A56 | FerrantiLtd | 80 | 50 | 500m | 100M | | 100n | 80 | 350m | | 175 | TO-236 |
| - | FMMT-A56 | FerrantiLtd | 80 | 50 | 500m | 100M | | 100n | 80 | 350m | 1.3m | 175 A | SOT-89 |
| - | SMBTA56 | Siemens Akt | 80 | 50 | 500m | 100M | | 100n | 80 | 330m | | 150 | SOT-89 |
| - | BSW40-25 | NthAmerSemi | 80 | 50 | 1.0 | 50M | | 30n | 100 | 790m | 4.5m | 175 J | TO-39 |
| - | BC528 | See Index | 80 | 50 | 1.0 | 100M | 15p | 100n | 80 | 625m | 5.0m | 150 J | TO-92 |
| 85 | BFT69 | Semelab | 80 | 50 | 1.0 | 100M | 10p | 100n | 90 | 360m | 2.0m | 175 A | TO-18 |
| - | BFT69 | NthAmerSemi | 80 | 50 | 1.0 | 100M | 10p | 100n | 90 | 360m | 2.0m | 175 A | TO-18 |
| - | BFT79 | NthAmerSemi | 80 | 50 | 1.0 | 100M | 10p | 100n | 90 | 800m | 4.5m | 175 A | TO-39 |
| - | BFT79 | Semelab | 80 | 50 | 1.0 | 100M | 10p | 100n | 90 | 800m | 4.5m | 175 A | TO-39 |
| - | MPS4356 | See Index | 80 | 50 | 1.0 | 100M | 30p | 50n | 80 | 625m | 5.0m | 150 J | TO-92 |
| 90 | TP4356 | SprgueElec | 80 | 50 | 1.0 | 100M | 30p | 50n | 80 | | | 150 J | TO-226 |
| - | TP5857 | SprgueElec | 80 | 50 | 1.0 | 100M | 15p | 100n | 80 | | | 150 J | TO-226 |
| - | 2N5857 | See Index | 80 | 50 | 1.0 | 100M | 15p | 100n | 80 | 750m | 6.8m | 135 S | TO-105 |