

POWER SILICON NPN

| Item Number | Part Number | Manufacturer | I _C Max (A) | V _{(BR)CEO} (V) | h _{FE} | | f _T (Hz) | I _{CSO} Max (A) | t _r Max (s) | t _f Max (s) | P _D Max (W) | T _{Oper} Max (°C) | Package Style |
|---------------------------------|-------------|--------------|------------------------|--------------------------|-----------------|-----|---------------------|--------------------------|------------------------|------------------------|------------------------|----------------------------|---------------|
| | | | | | Min | Max | | | | | | | |
| I(C) >= 5 A, (Cont'd) | | | | | | | | | | | | | |
| - | SML1623A | Semelab | 5.0 | 80 | | | 2.5M | | | | 105 | 175 J | TO-3 |
| - | SML1633A | Semelab | 5.0 | 80 | | | 2.5M | | | | 105 | 175 J | TO-3 |
| - | SML1643 | Semelab | 5.0 | 80 | | | 2.5M | | | | 53 | 175 J | TO-66 |
| - | SML1653 | Semelab | 5.0 | 80 | | | 2.5M | | | | 53 | 175 J | TO-66 |
| 5 | SML7413 | Semelab | 5.0 | 80 | | | 15M | | | | 9.0 | 175 J | TO-39 |
| - | SML7416 | Semelab | 5.0 | 80 | | | 15M | | | | 9.0 | 175 J | TO-39 |
| - | SML7419 | Semelab | 5.0 | 80 | | | 15M | | | | 9.0 | 175 J | TO-39 |
| - | SML4452 | Semelab | 5.0 | 80 | | | 20M | | | | 4.0 | 175 J | TO-39 |
| - | SML4454 | Semelab | 5.0 | 80 | | | 20M | | | | 4.0 | 175 J | TO-39 |
| 10 | SML4456 | Semelab | 5.0 | 80 | | | 20M | | | | 4.0 | 175 J | TO-39 |
| - | SML3403 | Semelab | 5.0 | 80 | | | 40M | | | | 30 | 175 J | TO-111 |
| - | SML3423 | Semelab | 5.0 | 80 | | | 40M | | | | 5.0 | 140 J | TO-39 |
| - | SML85503 | Semelab | 5.0 | 80 | | | 40M | | | | 5.0 | 140 J | TO-39 |
| - | SML85508 | Semelab | 5.0 | 80 | | | 40M | | | | 5.0 | 140 J | TO-39 |
| 15 | 2N6736 | Space Power | 5.0 | 80 | 4.0 | 120 | | 200n | 300n | | 35 | 175 J | TO-228AA |
| - | 2N6736 | Solitron | 5.0 | 80 | 4.0 | 120 | | 200n | 300n | | 35 | 175 J | TO-228AA |
| - | 2N6736 | CrimsonSemi | 5.0 | 80 | 4.0 | 120 | | 200n | 300n | | 35 | 175 J | TO-228AA |
| - | 2N2908 | SemiconTech | 5.0 | 80 | 12 | 20 | 1.0M | | | | 45 | 175 C | TO-53 |
| - | 2N2908 | Space Power | 5.0 | 80 | 12 | 20 | 1.0M | | | | 45 | 175 C | TO-53 |
| 20 | 2N2908 | SemiconTech | 5.0 | 80 | 12 | 20 | 8.0M | | | | 45 | 175 A | TO-61 |
| - | 2SD772 | Matsushita | 5.0 | 80 | 14 | | | 1.0m | 1.0u | | 40 | 140 J | TO-220 |
| - | 2SD1274 | Matsushita | 5.0 | 80 | 14 | | | 40M | 1.0m | 1.0u | 40 | 140 J | SOT-186 |
| - | 2SD1274A | Matsushita | 5.0 | 80 | 14 | | | 40M | 1.0m | 1.0u | 40 | 140 J | SOT-186 |
| - | 2SD1274B | Matsushita | 5.0 | 80 | 14 | | | 40M | 1.0m | 1.0u | 40 | 140 J | SOT-186 |
| 25 | 2SD772A | Matsushita | 5.0 | 80 | 14 | | | 40M | 1.0m | 1.0u | 40 | 140 J | TO-220AB |
| - | 2SD772B | Matsushita | 5.0 | 80 | 14 | | | 40M | 1.0m | 1.0u | 40 | 140 J | TO-220AB |
| - | CX702 | Advncd Semi | 5.0 | 80 | 15 | 70 | | | | | 40 | | TO-220AB |
| - | CX702 | Semi Inc | 5.0 | 80 | 15 | 70 | | | | | 40 | | TO-220AB |
| - | 2N1211 | See Index | 5.0 | 80 | 15 | 75 | 3.0M | 10m | | | 60 | 175 S | TO-53 |
| 30 | 2N1617 | See Index | 5.0 | 80 | 15 | 75 | 3.0M | 10m | | | 60 | 175 S | TO-61 |
| - | 2SC647 | Elec Trans | 5.0 | 80 | 20 | 30 | 300k | 10m | | | 50 | 140 J | TO-3 |
| - | 2SC647 | Solid StInc | 5.0 | 80 | 20 | 30 | 300k | 10m | | | 50 | 140 J | TO-3 |
| - | 2N5979 | See Index | 5.0 | 80 | 20 | 120 | 2.0M | 1.0m | | | 75 | 140 J | TO-127var |
| 35 | SDT1613 | Solitron | 5.0 | 80 | 20 | 60 | 2.5M | 10u | 400n | | 105 | 175 J | TO-3 |
| - | SDT1613 | PPC Product | 5.0 | 80 | 20 | 60 | 2.5M | 10u | 400n | | 105 | 175 J | TO-3 |
| - | SDT1643 | Solitron | 5.0 | 80 | 20 | 60 | 2.5M | 10u | 400n | | 52 | 175 J | TO-66 |
| - | SDT1643 | PPC Product | 5.0 | 80 | 20 | 60 | 2.5M | 10u | 400n | | 52 | 175 J | TO-66 |
| - | BD951 | PhilipsElec | 5.0 | 80 | 20 | 30 | 3.0M | 100u | | | 40 | 140 J | TO-220AB |
| - | BD951 | NthAmerSemi | 5.0 | 80 | 20 | 30 | 3.0M | 100u | | | 40 | 140 J | TO-220AB |
| 40 | 2N5069 | See Index | 5.0 | 80 | 20 | 80 | 4.0M | 1.0m | | | 88 | 175 J | TO-3 |
| - | 2N5870 | See Index | 5.0 | 80 | 20 | 100 | 4.0M | 100u | 700n | 800n | 87 | 175 J | TO-3 |
| - | BLX16 | Solitron | 5.0 | 80 | 20 | 120 | 10M | | | | 18 | 175 J | TO-5 |
| - | BLX16 | NthAmerSemi | 5.0 | 80 | 20 | 120 | 10M | | | | 18 | 175 J | TO-5 |
| 45 | BLX19 | Solitron | 5.0 | 80 | 20 | 120 | 10M | | | | 87 | 175 J | TO-61 |
| - | 2N1722 | See Index | 5.0 | 80 | 20 | 90 | 10M | 500u | | | 3.0 | 175 J | TO-53 |
| - | 2N1724 | See Index | 5.0 | 80 | 20 | 90 | 10M | 500u | | | 3.0 | 175 J | TO-61 |
| - | SDT7413 | Sld St Dvcs | 5.0 | 80 | 20 | 60 | 15M | 1.0u | | | 9.0 | 175 J | TO-5 |
| - | SDT7413 | Solitron | 5.0 | 80 | 20 | 60 | 15M | 1.0u | | | 9.0 | 175 J | TO-5 |
| - | SDT7413 | PPC Product | 5.0 | 80 | 20 | 60 | 15M | 1.0u | | | 9.0 | 175 J | TO-5 |
| 50 | SDT4452 | See Index | 5.0 | 80 | 20 | 60 | 20M | 1.0u | | | 7.0 | 175 J | TO-5 |
| - | SDT6012 | Sld St Dvcs | 5.0 | 80 | 20 | 60 | 30M | 1.0u | | | 40 | 175 J | SIR-10 |
| - | SDT6012 | CrimsonSemi | 5.0 | 80 | 20 | 60 | 30M | 1.0u | | | 40 | 175 J | SIR-10 |
| - | SDT6310 | See Index | 5.0 | 80 | 20 | 60 | 30M | 1.0u | | | 52 | 175 J | TO-111 |
| - | SDT6410 | PPC Product | 5.0 | 80 | 20 | 60 | 30M | 1.0u | | | 52 | 175 J | TO-111 |
| 55 | SDT6410 | Sld St Dvcs | 5.0 | 80 | 20 | 60 | 30M | 1.0u | | | 52 | 175 J | TO-111 |
| - | SDT6410 | Solitron | 5.0 | 80 | 20 | 60 | 30M | 1.0u | | | 52 | 175 J | TO-111 |
| - | SDT6419 | PPC Product | 5.0 | 80 | 20 | 60 | 30M | | | | 52 | | TO-111 |
| - | SDT6419 | Solitron | 5.0 | 80 | 20 | 60 | 30M | | | | 52 | | TO-111 |
| - | 2N2879 | See Index | 5.0 | 80 | 20 | 60 | 30M | 100n | 120n | 80n | 30 | 175 J | TO-111 |
| 60 | 2N3746 | See Index | 5.0 | 80 | 20 | 60 | 30M | 100n | 120n | 80n | 30 | 175 J | SIR-10 |
| - | SDT3407 | Sld St Dvcs | 5.0 | 80 | 20 | 60 | 40M | 10u | 500n | 300n | 52 | 175 J | TO-111 |
| - | SDT3407 | Solitron | 5.0 | 80 | 20 | 60 | 40M | 10u | 500n | 300n | 52 | 175 J | TO-111 |
| - | SDT3407 | PPC Product | 5.0 | 80 | 20 | 60 | 40M | 10u | 500n | 300n | 52 | 175 J | TO-111 |
| 65 | SDT3427 | PPC Product | 5.0 | 80 | 20 | 60 | 40M | .01m | .50u | | 9.0 | | TO-5 |
| - | SDT3427 | Solitron | 5.0 | 80 | 20 | 60 | 40M | .01m | .50u | | 9.0 | | TO-5 |
| - | SDT3427 | Sld St Dvcs | 5.0 | 80 | 20 | 60 | 40M | .01m | .50u | | 9.0 | | TO-5 |
| - | 2SD189 | Solid StInc | 5.0 | 80 | 20 | 160 | 40M | 10m | | | 50 | 140 J | TO-3 |
| - | 2SD189 | Elec Trans | 5.0 | 80 | 20 | 160 | 40M | 10m | | | 50 | 140 J | TO-3 |
| - | BLY70 | NthAmerSemi | 5.0 | 80 | 20 | 60 | 70M | 10u | | | 33 | 140 J | TO-3 |
| 70 | BD160 | NthAmerSemi | 5.0 | 80 | 25 | 100 | 1.0m | 1.3u | | | 30 | 140 J | TO-3 |
| - | 2N4915 | See Index | 5.0 | 80 | 25 | 100 | 4.0M | 10u | | | 88 | 175 J | TO-3 |
| - | BD539B | NthAmerSemi | 5.0 | 80 | 30 | 30 | 3.0M | 200u | 300n | | 45 | 140 J | TO-220AB |
| - | BD539B | TexInstLtd | 5.0 | 80 | 30 | 30 | 3.0M | 200u | 300n | | 45 | 140 J | TO-220AB |
| 75 | 2N3851 | See Index | 5.0 | 80 | 30 | 90 | 20M | 100n | 150n | 200n | 30 | 175 C | TO-59 |
| - | SDT5635 | Solitron | 5.0 | 80 | 30 | 90 | 30M | | | | 44 | | TO-111 |
| - | 2N2892 | See Index | 5.0 | 80 | 30 | 90 | 30M | 100n | 300n | 1.5u | 30 | 175 J | TO-59 |
| - | 2N5336 | See Index | 5.0 | 80 | 30 | 120 | 30M | 10u | 100n | 200n | 6.0 | 175 J | TO-39 |
| - | 2N5729 | See Index | 5.0 | 80 | 30 | 300 | 30M | 1.0m | 200n | 500n | 10 | 175 J | TO-5 |
| - | UPT613 | Unitrode | 5.0 | 80 | 30 | 40 | 40M | 10u | 250n | 500n | 5.0 | 175 J | TO-5 |
| 80 | 2N3996 | See Index | 5.0 | 80 | 30 | 40 | 40M | 5.0u | 300n | 1.5u | 2.0 | 175 J | SIR-10 |
| - | 2N3998 | See Index | 5.0 | 80 | 30 | 40 | 40M | 5.0u | 300n | 1.5u | 2.0 | 175 J | SIR-10 |
| - | 2N5002 | See Index | 5.0 | 80 | 30 | 90 | 60M | 1.0m | | | 50 | 175 J | TO-59 |
| - | 2N5152S | Semelab | 5.0 | 80 | 30 | 90 | 60M | | | | 10 | 175 J | TO-39 |
| 85 | 2N5284 | See Index | 5.0 | 80 | 30 | 90 | 60M | 1.0m | | | 50 | 175 J | TO-59 |
| - | 2N5608 | See Index | 5.0 | 80 | 30 | 90 | 60M | 1.0m | | | 25 | 175 J | TO-66 |
| - | 2N5616 | See Index | 5.0 | 80 | 30 | 90 | 60M | 1.0m | | | 50 | 175 J | TO-3 |
| - | BCX40 | See Index | 5.0 | 80 | 40 | 250 | | | | | 10 | 175 J | TO-39 |
| - | 2N4310 | See Index | 5.0 | 80 | 40 | 120 | | 10u | 90n | 100n | 4.0 | 175 C | SIT-8 |
| 90 | 2SC2516AM | NEC Corp JA | 5.0 | 80 | 40 | 80 | | 10u | 0.5u | 0.5u | 30 | 140 J | TO-220AB |
| - | PTC167 | Mallory | 5.0 | 80 | 40 | 40 | 2.0M | 1.0m | | | 75 | | TO-220 |
| - | SDT1623 | Solitron | 5.0 | 80 | 40 | 120 | 2.5M | 10u | 400n | | 105 | 175 J | TO-3 |
| - | SDT1623 | PPC Product | 5.0 | 80 | 40 | 120 | 2.5M | 10u | 400n | | 105 | 175 J | TO-3 |
| - | SDT1653 | Solitron | 5.0 | 80 | 40 | 120 | 2.5M | 10u | 400n | | 52 | 175 J | TO-66 |
| 95 | SDT1653 | PPC Product | 5.0 | 80 | 40 | 120 | 2.5M | 10u | 400n | | 52 | 175 J | TO-66 |
| - | BD951F | PhilipsElec | 5.0 | 80 | 40 | 40 | 3.0M | | | | 40 | | SOT-186 |
| - | 2SD812 | Matsushita | 5.0 | 80 | 40 | 200 | 7M | 50u | | | 40 | 140 J | TO-220AB |
| - | SDT7403 | Sld St Dvcs | 5.0 | 80 | 40 | 120 | 15M | 1.0u | | | 9.0 | 175 J | TO-5 |

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