

三极管选型表二:常用NPN三极管型号及参数表

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 型号 | Pcm[W] | Icm[A] | Vceo[V] | fT[MHz] | 封装 | 用途 | 说明 | 生产厂商 |
| 001 | 2SC1446 | 10 | 0.1 | 300 |  | TO-220 | NF-Vid/L | NPN | MAT |
| 002 | 2SC1505 | 15 | 0.2 | 300 | 80 | TO-220 | Vid-L | NPN | NIP |
| 003 | 2SC1569 | 12.5 | 0.15 | 300 | 100 | TO-220 |  | NPN | TOSHIBA |
| 004 | 2SC1623 | - | 0.1 | 50 | 30 | SOT-23 |  | NPN |  |
| 005 | 2SC1815 | 0.4 | 0.15 | 60 | 80 | TO-92 | Uni | NPN | TOSHIBA |
| 006 | 2SC1819 | 15 | 0.1 | 300 | 100 | TO-251 | Vid-L | NPN | MITSUBISHI |
| 007 | 2SC1892 | 50 | 2.5 | 1500 | 3 | TO-126 | TV-HA | NPN | TOSHIBA |
| 008 | 2SC2068 |  | 0.05 | 300 | 95 | TO-126 | CTV-C | NPN | MITSUBISHI |
| 009 | 2SC1971 | 7 | 2 | 35 | 175 | TO-220 | VHF-L | NPN | MITSUBISHI |
| 010 | 2SC1972 | 15 | 3.5 | 35 | 175 | TO-220 | VHF-L | NPN | MITSUBISHI |
| 011 | 2SC2073 | 25 | 1.5 | 150 | 4 | TO-220 | TV-VA | NPN | TOBASHI |
| 012 | 2SC2078 | 4 | 3 | 80 | 60 | TO-220 | AM-L | NPN | SANYO |
| 013 | 2SC2328 |  | 0.03 | 20 | 2.2G | TO-126 | UHF | NPN | TOSHIBA |
| 014 | 2SC2383 | 0.9 | 1 | 160 | 20 |  | CTV-NF | NPN | Toshiba |
| 015 | 2SC2625 | 80 | 10 | 450 | 1/3us | TO-263 | FJD | NPN |  |
| 015 | 2SC2655 | 0.9 | 2 | 50 | - | TO-92MOD | TOSHIBA | NPN |  |
| 016 | 2SC2690 | 20 | 1.2 | 120 | 155 | TO-126 | NF-HF | NPN |  |
| 017 | 2SC2756 | - | 0.02 | 20 | 850 | SOT-23 | FJD | NPN | NIP |
| 018 | 2SC3040 | 80 | 8 | 400 | 1/3.5us | TO-3P | S-L | NPN | SANYO |
| 019 | 2SC3042 | 100 | 12 | 400 | 1/3.5us | TO-3P | S-L | NPN | SANYO |
| 020 | 2SC3083 | 60 | 6 | 400 | 1/3.5us | TO-3P | S-L | NPN | SANYO |
| 021 | 2SC3089 | 80 | 7 | 800 | 1/4us | TO-3P | S-L | NPN | SANYO |
| 022 | 2SC3090 | 100 | 10 | 800 | 1/4us | TO-3P | S-L | NPN | SANYO |
| 023 | 2SC3114 | 0.4 | 0.15 | 60 | 100 | TO-92 | Hi-U | NPN | SANYO |
| 024 | 2SC3262 | 100 | 10 | 800 | B=10 | TO-3P | S-L | NPN | SHI |
| 025 | 2SC3277 | 90 | 10 | 500 | 20 | TO-3P | S-L | NPN | SANYO |
| 026 | 2SC3320 | 80 | 15 | 500 | 100 | TO-3P | S-L | NPN | FJD |
| 027 | 2SC3356 | 0.2 | 0.1 | 20 | 7G | SOT-23 | UHF | NPN | NIP |
| 028 | 2SC3450 | 90 | 10 | 800 | 3.3us | TO-3P | S-L | NPN | SANYO |
| 029 | 2SC3451 | 100 | 15 | 500 | 3.3us | TO-3PB | S-L | NPN | SANYO |
| 030 | 2SC3636 | 80 | 7 | 900 |  | TO-3P | HA\_Hi | NPN | SANYO |
| 031 | 2SC3752 | - | - | - | - | TO-220 | - | NPN | - |
| 032 | 2SC3834 | - | - | - |  | - | - | NPN | - |
| 033 | 2SC3988 | 150 | 25 | 500 | 3us5 | TO-3PB | S-L | NPN | SANYO |
| 034 | 2SC3997 | 250 | 20 | 800 |  | TO-3PBL | HA-Hi | NPN | SANYO |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 型号 | Pcm[W] | Icm[A] | Vceo[V] | fT[MHz] | 封装 | 用途 | 说明 | 生产厂商 |
| 001 | 2SC3998 | 250 | 25 | 1500 |  | TO-3PB | HA-Hi | NPN | SANYO |
| 002 | 2SC4108 | 100 | 12 | 500 | 2.8us | TO-3P | S-L | NPN | SANYO |
| 003 | 2SC4109 | 140 | 16 | 400 | 2.8us | TO-3PB | S-L | NPN | SANYO |
| 004 | 2SC4110 | 160 | 25 | 500 | 2.8us | TO-3P | S-L | NPN | SANYO |
| 005 | 2SC4111 | 150 | 10 | 1500 | 12.6us | TO-3P | S-L | NPN | SANYO |
| 006 | 2SC4312 | 80 | 6 | 900 | 3.5us | TO-3P | S-L | NPN | SHI |
| 007 | 2SC4313 | 100 | 10 | 900 | 3.5us | TO-3P | S-L | NPN | SHI |
| 008 | 2SC4323 |  | 25mA | 10 | 10G | SOT-23 | UHF | NPN | TOS |
| 009 | 2SC4424 | 60 | 16 | 400 | 10G | TO-3PML |  | NPN | SANYO |
| 010 | 2SC4425 | 65 | 25 | 400 | 10G | TO-3PML | UHF | NPN | SANYO |
| 011 | 2SC4458 | 45 | 7 | 500 | 3.3us | TO-3PML | S | NPN | SANYO |
| 012 | 2SC4459 | 50 | 10 | 500 | 3.3us | TO-3PML | S | NPN | SANYO |
| 013 | 2SC4460 | 55 | 15 | 500 | 3.3us | TO-3PML | S | NPN | SANYO |
| 014 | 2SC4461 | 65 | 25 | 500 | 3.3us | TO-3PML | SW | NPN | SANYO |
| 015 | 2SC4467 | 80 | 8 | 120 | 20 | TO-3P | NF-L | NPN | SAK |
| 016 | 2SC4490 | 1 | 0.3 | 300 | 70 | SOT-25 | CRT | NPN | SANYO |
| 017 | 2SC4491 | 1 | 2.5 | 60 |  | SOT-25 | S\_L | NPN | SANYO |
| 018 | 2SC5196 | 60 | 6 | 80 | 30 | TO-3P |  | NPN | SANYO |
| 019 | 2SC5243 | 200 | 15 | 1700 |  | TO-3PL | M-HA | NPN |  |
| 020 | 2SC5244 | 200 | 30 | 1500 |  | TO-3PL | M-HA | NPN |  |
| 021 | 2SC5294 |  | 20 | 1500 |  | TO-3PE | M-HA | NPN |  |
| 022 | 2SC5296 | 60 | 16 | 1500 |  | TO-3PML | M-HA | NPN | SANYO |
| 023 | 2SC5299 | 70 | 10 | 1500 |  | TO-3PE | M-HA | NPN |  |
| 024 | 2SC5352 | - | - | - |  | TO-3PE | M-HA | NPN |  |
| 025 | 2SC5669 | 100 | 15 | 230 |  | TO-3PB | M-HA | NPN | SANYO |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 型号 | Pcm[W] | Icm[A] | Vceo[V] | fT[MHz] | 封装 | 用途 | 说明 | 生产厂商 |
| 001 | 2SD291 | 18 | 3 | 70 | 4 | TO-3P | NF-SL | NPN | SON |
| 002 | 2SD669 | 20 | 1.5 | 180 | 140 | TO-126 | NF-S | NPN | HITACHI |
| 003 | 2SD718 | 80 | 8 | 120 | - | TO-3P | NF/S-L | NPN | TOBASHI |
| 004 | 2SD844 | 60 | 7 | 50 | 15 | TO-3P | NF-S | NPN | TOBASHI |
| 005 | 2SD882 | 10 | 3 | 40 | 90 | TO-126 | NF | NPN | NIP |
| 006 | 2SD895 | 60 | 6 | 100 | 15 | TO-3P | NF-S/L | NPN | SANYO |
| 007 | 2SD896 | 70 | 7 | 120 | 15 | TO-3P | NF-S/L | NPN | SANYO |
| 008 | 2SD1046 | 80 | 12 | 120 | 15 | TO-3PB | NF-S/L | NPN | SANYO |
| 009 | 2SD1047 | 100 | 12 | 160 | 15 | TO-3P | NF-S/L | NPN | SANYO |
| 010 | 2SD1092 | 80 | 4 | 55 |  | TO-3P | TV-R | NPN | TOSHIBA |
| 011 | 2SD1256 | 40 | 5 | 130 | 30 | TO-220 | NF-S/L | NPN | MAT |
| 012 | 2SD1259 | 40 | 3 | 80 | 50 | TO-251 | NF-S/L | NPN | HITASHI |
| 013 | 2SD1402 | 120 | 5 | 1500 |  | TO-3P | TV-HA | NPN | SANYO |
| 014 | 2SD1403 | 120 | 6 | 1500 |  | TO-3P | TV-HA | NPN | SANYO |
| 015 | 2SD1426 | 80 | 3.5 | 1500 |  | TO-3P | TV-HA | NPN | TOSHIBA |
| 016 | 2SD1439 | 50 | 3 | 1500 |  | TO-126 | TV-HA | NPN | TOSHIBA |
| 017 | 2SD1441 | 70 | 4 | 1500 |  | TO-3P | TV-HA | NPN | MAT |
| 018 | 2SD1541 | 50 | 3 | 1500 |  | TO-3PF | TV-HA | NPN | MAT |
| 019 | 2SD1554 | 40 | 3.5 | 1500 |  | TO-3PF | TV-HA | NPN | TOSHIBA |
| 020 | 2SD1555 | 50 | 5 | 1500 |  | TO-3PF | TV-HA | NPN | TOSHIBA |
| 021 | 2SD1609 |  | 0.1 | 160 | 140 | TO-126 | NF-S/L | NPN | HITASHI |
| 022 | 2SD1677 | 100 | 5 | 1500 |  | TO-3P | TV-HA | NPN | HITACHI |
| 023 | 2SD1649 | 50 | 2.5 | 1500 |  | TO-3PE | TV-HA | NPN | SANYO |
| 024 | 2SD1691 | 20 | 5 | 60 | 1/3.5us | TO-126 |  | NPN | NIP |
| 025 | 2SD1801 | 15 | 2 | 60 | 150 | TO-251 | S-L | NPN | SANYO |
| 026 | 2SD1802 | 15 | 3 | 60 | 150 | TO-251 | S-L | NPN | SANYO |
| 027 | 2SD1803 | 20 | 5 | 60 | 180 | TO-251 | S-L | NPN | SANYO |
| 028 | 2SD1804 | 20 | 8 | 60 | 180 | TO-251 | S-L | NPN | SANYO |
| 029 | 2SD1805 | 15 | 5 | 60 | 120 | TO-251 | S-L | NPN | SANYO |
| 030 | 2SD1815 | 20 | 3 | 120 | 180 | TO-251 | S-L | NPN | SANYO |
| 031 | 2SD1841 | 120 | 25 | 110 |  | TO-3P | TV-HA | NPN | SANYO |
| 032 | 2SD1849 | 120 | 7 | 1500 |  | TO-3PF | TV-HA | NPN | MAT |
| 033 | 2SD1876 | 50 | 3 | 1500 |  | TO-3PE | TV-HA | NPN | SANYO |
| 034 | 2SD1877 | 50 | 3 | 1500 |  | TO-3PE | TV-HA | NPN | SANYO |
| 035 | 2SD1907 | 50 | 4 | 1500 | 20 | TO-3PE | S-L | NPN | SANYO |
| 036 | 2SD1975 | 150 | 15 | 180 | 20 | TO-3PL | NF-SL | NPN | MAT |
| 037 | 2SD2057 | 100 | 5 | 1500 |  | TO-3PF | S-L/TV | NPN | MAT |
| 038 | 2SD2058 | 25 | 3 | 60 | 3 | TO-220 | NF-S/L | PNP | MAT |
| 039 | 2SD2137 | 15 | 3 | 60 | 30 | TO-92L | NF-E | NPN | MAT |
| 040 | 2SD2199 | 40 | 7 | 60 | 0.2us | SMP-FD | S-L | NPN | SANYO |
| 041 | 2SD2254 | 70 | 6 | 130 | 20 | TO-263 |  | NPN | MAT |
| 042 | 2SD2521 | 60 | 2.5 | 1700 |  | TO-3PE | HA | NPN |  |
| 043 | 2SD2544 | 15 | 5 | 60 | 70 | MT-4 |  | NPN |  |
| 044 | 2SD2578 | 60 | 8 | 800 |  | TO-3PE | HA | NPN | SANYO |
| 045 | 2SD2580 | 70 | 10 | 800 |  | TO-3PEL | HA | NPN | SANYO |
| 046 | 2SD2581 |  |  |  |  | TO-3PEL | HA | NPN | SANYO |
| 047 | 2SD2624 |  |  |  |  |  | HA |  |  |
| 048 | 2SD2634 |  |  |  |  |  | HA |  |  |