

GENERAL PURPOSE AMPLIFIERS AND MEDIUM-SPEED SWITCHES

NPN TRANSISTORS

| TYPE | CASE STYLE | V_{CB0} Min | V_{CE0} Min | V_{EBO} Min | I_{CB0} Max @ V_{CB} | h_{FE} Min-Max @ I_C & V_{CE} | $V_{CE(sat)}$ Max & $V_{BE(sat)}$ Max @ I_C | C_{ob} Max | f_T Min @ I_C | t_{off} Max |
|-------------------|-------------|------------------|------------------|------------------|-----------------------------|--|---|-----------------|----------------------|------------------|
| 2N1711 and PN1711 | TO5 TO92 | 75V | 50V | 7V | 10 nA @ 60V | 20 @ 0.01 mA/10V 35 @ 0.1 mA/10V 75 @ 10 mA/10V 100-300 @ 150 mA/10V 40 @ 500 mA/10V | 1.5V 1.3V @ 150 mA | 25 pF | 70 MHz @ 50 mA | |
| 2N1893 and PN1893 | TO5 TO92 | 120V | 80V | 7V | 10 nA @ 90V | 20 @ 0.1 mA/10V 35 @ 10 mA/10V 40-120 @ 150 mA/10V | 1.2V 0.9V @ 50 mA 5V 1.3V @ 150 mA | 15 pF | 50 MHz @ 50 mA | |
| PN3586 | TO92 | 40V | 30V | 5V | 50 nA @ 20V | 80 @ 2 mA/10V 150-600 @ 10 mA/10V | 1V 0.9V @ 100 mA | 25 pF | 40 MHz @ 30 mA | |
| 2N3704 | TO-92-2 | 50V | 30V | 5V | 100 nA @ 20V | 100-300 @ 50 mA/2.0V | 0.6V 1.0V @ 100 mA | 12 pF | 100 MHz @ 50 mA | |
| MPS3704 | TO92 | 50V | 30V | 5V | 100 nA @ 20V | 100-300 @ 50 mA/2.0V | 0.6V 1.0V @ 100 mA | 12 pF | 100 MHz @ 50 mA | |
| 2N3705 | TO92-2 | 50V | 30V | 5V | 100 nA @ 20V | 50-150 @ 50 mA/2.0V | 0.8V 1.0V @ 100 mA | 12 pF | 100 MHz @ 50 mA | |
| MPS3705 | TO92 | 50V | 30V | 5V | 100 nA @ 20V | 50-150 @ 50 mA/2.0V | 0.8V 1.0V @ 100 mA | 12 pF | 100 MHz @ 50 mA | |
| 2N3706 | TO92-2 | 40V | 20V | 5V | 100 nA @ 20V | 30-600 @ 50 mA/2V | 1V 1.0V @ 100 mA | 12 pF | 100 MHz @ 50 mA | |
| MPS3706 | TO92 | 40V | 20V | 5V | 100 nA @ 20V | 30-600 @ 50 mA/2V | 1V 1.0V @ 100 mA | 12 pF | 100 MHz @ 50 mA | |
| 2N3793 | TO92-2 | 40V | 20V | 5V | 500 nA @ 15V | 10 @ 0.1 mA/10V 20-120 @ 10 mA/10V 20 @ 100 mA/10V | 0.4V 1.5V @ 10 mA | 10 pF | 100 MHz @ 10 mA | |
| 2N3794 | TO92-2 | 40V | 20V | 5V | 500 nA @ 15V | 35 @ 0.1 mA/10V 100-600 @ 10 mA/10V 100 @ 100 mA/10V | 0.4V 1.5V @ 10 mA | 10 pF | 100 MHz @ 10 mA | |
| PN5128 | TO92 | 15V | 12V | 3V | 50 nA @ 10V | 20 @ 10 mA/10V 35-350 @ 50 mA/10V | 0.25V 1.1V @ 150 mA | 10 pF | 150 MHz @ 50 mA | |
| PN5129 | TO92 | 15V | 12V | 3V | 50 nA @ 10V | 20 @ 10 mA/10V 35-350 @ 50 mA/10V | 0.25V 1.1V @ 150 mA | 10 pF | 150 MHz @ 50 mA | |
| PN5136 | TO92 | 30V | 20V | 3V | 100 nA @ 20V | 20 @ 30 mA/1V 20-400 @ 150 mA/1V | 0.25V 1.1V @ 150 mA | 35 pF | 40 MHz @ 50 mA | |
| PN5137 | TO92 | 30V | 20V | 3V | 100 nA @ 20V | 20 @ 30 mA/1V 20-400 @ 150 mA/1V | 0.25V 1.1V @ 150 mA | 35 pF | 40 MHz @ 50 mA | |
| MPSA10 | TO92 | | 40V | 4V | 100 nA @ 30V | 40-400 @ 5 mA/10V | | 4 pF | 50 MHz @ 5 mA | |
| TIS95 | TO92-2 | 80V | 60V | 6V | 10 nA @ 40V | 100-300 @ 1 mA/5V | 0.5V @ 100 mA | 4 pF | 100 MHz @ 5 mA | |
| TIS96 | TO92-2 | 80V | 65V | 6V | 10 nA @ 40V | 60 @ 10 mA/5V 55-300 @ 100 mA/5V | 0.5V @ 100 mA | 4 pF | 100 MHz @ 5 mA | |
| TIS98 | TO92-38 | 80V | 60V | 6V | 10 nA @ 40V | 100-300 @ 1 mA/5V | 0.5V @ 100 mA | 4 pF | 100 MHz @ 5 mA | |

GENERAL PURPOSE AMPLIFIERS AND HIGH-SPEED SWITCHES

NPN TRANSISTORS

| TYPE | CASE STYLE | V_{CB0} Min | V_{CE0} Min | V_{EBO} Min | I_{CB0} Max @ V_{CB} | h_{FE} h_{fe} (1kHz) @ Min-Max @ I_C & V_{CE} | $V_{CE(sat)}$ Max & $V_{BE(sat)}$ Max @ I_C | C_{ob} Max | f_T Min @ I_C | t_{off} Max |
|-------------------|-------------|------------------|------------------|------------------|-----------------------------|--|---|-----------------|----------------------|------------------|
| 2N2218 and PN2218 | TO5 TO92 | 60V | 30V | 5V | 10 nA @ 50V | 20 @ 0.1 mA/10V 25 @ 1 mA/10V 35 @ 10 mA/10V 20 @ 150 mA/1V 40-120 @ 150 mA/10V 20 @ 500 mA/10V | 0.4V 1.3V @ 150 mA 1.6V 2.6 @ 500 mA | 8 pF | 250 MHz @ 20 mA | |

GENERAL PURPOSE AMPLIFIERS AND HIGH-SPEED SWITCHES

NPN TRANSISTORS

| TYPE | CASE STYLE | V _{CB0} Min. | V _{CEO} Min. | V _{EBO} Min. | I _{CB0} Max | V _{CB} @ | h _{FE} Min-Max | I _C @ | V _{CE} & | V _{CE(sat)} Max | V _{BE(sat)} Max | I _C | C _{ob} Max | f _T Min | I _C @ | t _{off} Max |
|---|-----------------|--------------------------|--------------------------|--------------------------|-------------------------|----------------------|---------------------------------|-----------------------|--|-----------------------------|-----------------------------|----------------|------------------------|-----------------------|---------------------|-------------------------|
| 2N2218A and PN2218A | TO5 | 75 V | 40 V | 6 V | 10 nA | @ 60 V | 20 | @ 0.1 mA/10 V | | 0.3 V | 1.2 V @ 150 mA | | 8 pF | 250 MHz@20 mA | | 285 nS |
| | TO92 | | | | | | 25 35 40-120 20 25 | @ @ @ @ @ | 1 mA/10 V 10 mA/10 V 150 mA/10 V 150 mA/ 1 V 500 mA/10 V | 1 V | 2 V @ 500 mA | | | | | |
| 2N2219 and PN2219 | TO5 | 60 V | 30 V | 5 V | 10 nA | @ 50 V | 35 | @ 0.1 mA/10 V | | 0.4 V | 1.3 V @ 150 mA | | 8 pF | 250 MHz@20 mA | | |
| | TO92 | | | | | | 50 75 50 100-300 30 | @ @ @ @ @ | 1 mA/10 V 10 mA/10 V 150 mA/ 1 V 150 mA/10 V 500 mA/10 V | 1.6 V | 2.6 V @ 500 mA | | | | | |
| 2N2219A and PN2219A | TO5 | 75 V | 40 V | 6 V | 10 nA | @ 60 V | 35 | @ 0.1 mA/10 V | | 0.3 V | 1.2 V @ 150 mA | | 8 pF | 300 MHz@20 mA | | 285 nS |
| | TO92 | | | | | | 50 75 100-300 50 40 | @ @ @ @ @ | 1 mA/10 V 10 mA/10 V 150 mA/10 V 150 mA/ 1 V 500 mA/10 V | 1 V | 2 V @ 500 mA | | | | | |
| 2N2221 and PN2221 | TO18 | 60 V | 30 V | 5 V | 10 nA | @ 50 V | 20 | @ 0.1 mA/10 V | | 0.4 V | 1.3 V @ 150 mA | | 8 pF | 250 MHz@20 mA | | |
| | TO92 | | | | | | 25 35 40-120 20 20 | @ @ @ @ @ | 1 mA/10 V 10 mA/10 V 150 mA/10 V 150 mA/ 1 V 500 mA/10 V | 1.6 V | 2.6 V @ 500 mA | | | | | |
| 2N2221A and PN2221A | TO18 | 75 V | 40 V | 6 V | 10 nA | @ 60 V | 20 | @ 0.1 mA/10 V | | 0.3 V | 1.2 V @ 150 mA | | 8 pF | 250 MHz@20 mA | | 285 nS |
| | TO92 | | | | | | 25 35 40-120 20 25 | @ @ @ @ @ | 1 mA/10 V 10 mA/10 V 150 mA/10 V 150 mA/ 1 V 500 mA/10 V | 1 V | 2 V @ 500 mA | | | | | |
| 2N2222 and PN2222 and A5T2222 | TO18 | 60 V | 30 V | 5 V | 10 nA | @ 50 V | 35 | @ 0.1 mA/10 V | | 0.4 V | 1.3 V @ 150 mA | | 8 pF | 250 MHz@20 mA | | |
| | TO92 TO92-38 | | | | | | 50 75 100-300 50 30 | @ @ @ @ @ | 1 mA/10 V 10 mA/10 V 150 mA/10 V 150 mA/ 1 V 500 mA/10 V | 1.6 V | 2.6 V @ 500 mA | | | | | |
| 2N2222A and PN2222A | TO18 | 75 V | 40 V | 6 V | 10 nA | @ 60 V | 35 | @ 0.1 mA/10 V | | 0.3 V | 1.2 V @ 150 mA | | 8 pF | 300 MHz@20 mA | | 285 nS |
| | TO92 | | | | | | 50 75 100-300 50 40 | @ @ @ @ @ | 1 mA/10 V 10 mA/10 V 150 mA/10 V 150 mA/ 1 V 500 mA/10 V | 1 V | 2 V @ 500 mA | | | | | |
| 2N2711 | TO92-2 | 18 V | 18 V | 5 V | 500 nA | @ 18 V | 30-90 | @ 2 mA/4.5 V | | | | | 12 pF | | | |
| MPS2711 | TO92 | 18 V | 18 V | 5 V | 500 nA | @ 18 V | 30-90 | @ 2 mA/4.5 V | | | | | 4 pF | | | |
| 2N2712 | TO92-2 | 18 V | 18 V | 5 V | 500 nA | @ 18 V | 75-225 | @ 2 mA/4.5 V | | | | | 4 pF | | | |
| MPS2712 | TO92 | 18 V | 18 V | 5 V | 500 nA | @ 18 V | 75-225 | @ 2 mA/4.5 V | | | | | 4 pF | | | |
| 2N2716 | TO92-2 | 18 V | 18 V | 5 V | 500 nA | @ 18 V | 75-225 | @ 2 mA/4.5 V | | | | | 5 pF | | | |
| MPS2716 | TO92 | 18 V | 18 V | 5 V | 500 nA | @ 18 V | 75-225 | @ 2 mA/4.5 V | | | | | 3.5 pF | | | |
| 2N2923 | TO92-2 | 25 V | 25 V | 5 V | 500 nA | @ 25 V | 90-180* | @ 2 mA/10 V | | | | | 10 pF | | | |
| MPS2923 | TO92 | 25 V | 25 V | 5 V | 500 nA | @ 25 V | 90-180* | @ 2 mA/10 V | | | | | 10 pF | | | |
| 2N2924 | TO92-2 | 25 V | 25 V | 5 V | 500 nA | @ 25 V | 150-300* | @ 2 mA/10 V | | | | | 10 pF | | | |
| MPS2924 | TO92 | 25 V | 25 V | 5 V | 500 nA | @ 25 V | 150-300* | @ 2 mA/10 V | | | | | 10 pF | | | |
| 2N2925 | TO92-2 | 25 V | 25 V | 5 V | 500 nA | @ 25 V | 235-470* | @ 2 mA/10 V | | | | | 10 pF | | | |
| MPS2925 | TO92 | 25 V | 25 V | 5 V | 500 nA | @ 25 V | 235-470* | @ 2 mA/10 V | | | | | 10 pF | | | |
| 2N2926 | TO92-2 | 18 V | 18 V | 5 V | 500 nA | @ 18 V | 35-470* | @ 2 mA/10 V | | | | | 12 pF | | | |
| MPS2926 | TO92 | 18 V | 18 V | 5 V | 500 nA | @ 18 V | 35-470* | @ 2 mA/10 V | | | | | 12 pF | | | |
| 2N3392 | TO92-2 | 25 V | 25 V | 5 V | 100 nA | @ 18 V | 150-300 | @ 2 mA/4.5 V | | | | | 3.5 pF | | | |
| MPS3392 | TO92 | 25 V | 25 V | 5 V | 100 nA | @ 18 V | 150-300 | @ 2 mA/4.5 V | | | | | 3.5 pF | | | |
| 2N3393 | TO92-2 | 25 V | 25 V | 5 V | 100 nA | @ 18 V | 90-180 | @ 2 mA/4.5 V | | | | | 3.5 pF | | | |
| MPS3393 | TO92 | 25 V | 25 V | 5 V | 100 nA | @ 18 V | 90-180 | @ 2 mA/4.5 V | | | | | 3.5 pF | | | |
| 2N3394 | TO92-2 | 25 V | 25 V | 5 V | 100 nA | @ 18 V | 55-110 | @ 2 mA/4.5 V | | | | | 3.5 pF | | | |
| MPS3394 | TO92 | 25 V | 25 V | 5 V | 100 nA | @ 18 V | 55-110 | @ 2 mA/4.5 V | | | | | 3.5 pF | | | |

GENERAL PURPOSE AMPLIFIERS AND HIGH-SPEED SWITCHES

NPN TRANSISTORS

| TYPE | CASE STYLE | V_{CB0} Min | V_{CE0} Min | V_{EB0} Min | I_{C80} Max | V_{CB} e | h_{FE} Min-Max | I_C e | V_{CE} & | $V_{CE(sat)}$ Max & | $V_{BE(sat)}$ Max e | I_C | C_{ob} Max | f_T Min e | I_C | t_{off} Max |
|--------------------------|-----------------|------------------|------------------|------------------|--------------------------------------|---------------|--|------------------------------|---------------|--|------------------------|-------|-----------------|-----------------|--------|------------------|
| 2N3395 | TO92-2 | 25 V | 25 V | 5 V | 100 nA @ 18 V | | 150-500 @ | 2 mA/4.5 V | | | | | 3.5 pF | | | |
| MPS3395 | TO92 | 25 V | 25 V | 5 V | 100 nA @ 18 V | | 150-500 @ | 2 mA/4.5 V | | | | | 3.5 pF | | | |
| 2N3396 | TO92-2 | 25 V | 25 V | 5 V | 100 nA @ 18 V | | 90-500 @ | 2 mA/4.5 V | | | | | 3.5 pF | | | |
| MPS3396 | TO92 | 25 V | 25 V | 5 V | 100 nA @ 18 V | | 90-500 @ | 2 mA/4.5 V | | | | | 3.5 pF | | | |
| 2N3397 | TO92-2 | 25 V | 25 V | 5 V | 100 nA @ 18 V | | 55-500 @ | 2 mA/4.5 V | | | | | 3.5 pF | | | |
| MPS3397 | TO92 | 25 V | 25 V | 5 V | 100 nA @ 18 V | | 55-500 @ | 2 mA/4.5 V | | | | | 3.5 pF | | | |
| 2N3398 | TO92-2 | 25 V | 25 V | 5 V | 100 nA @ 18 V | | 55-800 @ | 2 mA/4.5 V | | | | | 3.5 pF | | | |
| MPS3398 | TO92 | 25 V | 25 V | 5 V | 100 nA @ 18 V | | 55-800 @ | 2 mA/4.5 V | | | | | 3.5 pF | | | |
| PN3841 | TO92 | 60 V | 30 V | 5 V | 50 nA @ 50 V | | 40-120 @ 15 | 150 mA/10 V @ 500 mA/10 V | | 0.22 V | @ 150 mA | | 8 pF | 150 MHz @ 50 mA | 150 nS | |
| MPS3842 and PN3842 | TO92 | 60 V | 45 V | 5 V | 50 nA @ 50 V (¹ CEX) | | 40-120 @ 15 | 150 mA/10 V @ 500 mA/10 V | | 0.22 V | @ 150 mA | | 8 pF | 150 MHz @ 50 mA | 150 nS | |
| PN3843 | TO92 | 60 V | 30 V | 5 V | 50 nA @ 50 V | | 100-300 @ 25 | 150 mA/10 V @ 500 mA/10 V | | 0.22 V | @ 150 mA | | 8 pF | 250 MHz @ 50 mA | 150 nS | |
| MPS3893 | TO92 | 45 V | 45 V | 4 V | 50 nA @ 30 V | | 40-160 @ | 10 mA/10 V | | | | | 6 pF | 200 MHz @ 10 mA | | |
| MPS3894 | TO92 | 45 V | 45 V | 4 V | 50 nA @ 30 V | | 100-400 @ | 10 mA/10 V | | | | | 6 pF | 200 MHz @ 10 mA | | |
| 2N3721 | TO92-2 | 25 V | 25 V | 5 V | 500 nA @ 18 V | | 60-660 @ | 2 mA/10 V | | | | | 3.5 pF | | | |
| MPS3721 | TO92 | 25 V | 25 V | 5 V | 500 nA @ 18 V | | 60-660 @ | 2 mA/10 V | | | | | 3.5 pF | | | |
| MPS3826 | TO92 | 60 V | 45 V | 4 V | 100 nA @ 30 V | | 40-160 @ | 10 mA/10 V | | | | | 3.5 pF | 200 MHz @ 10 mA | | |
| MPS3827 | TO92 | 60 V | 45 V | 4 V | 100 nA @ 30 V | | 100-400 @ | 10 mA/10 V | | | | | 3.5 pF | 200 MHz @ 10 mA | | |
| 2N3903 and A5T3903 | TO92 TO92-38 | 60 V | 40 V | 6 V | 50 nA @ 30 V (¹ CEX) | | 20 @ 0.1 mA/ 1 V 35 @ 1 mA/ 1 V 50-150 @ 10 mA/ 1 V 30 @ 50 mA/ 1 V 15 @ 100 mA/ 1 V | | | 0.2 V 0.85 V @ 10 mA 0.3 V 0.95 V @ 50 mA | | | 4 pF | 250 MHz @ 10 mA | 225 nS | |
| 2N3904 and A5T3904 | TO92 TO92-38 | 60 V | 40 V | 6 V | 50 nA @ 30 V (¹ CEX) | | 40 @ 0.1 mA/ 1 V 70 @ 1 mA/ 1 V 100-300 @ 10 mA/ 1 V 60 @ 50 mA/ 1 V 30 @ 100 mA/ 1 V | | | 0.2 V 0.85 V @ 10 mA 0.3 V 0.95 V @ 50 mA | | | 4 pF | 300 MHz @ 10 mA | 250 nS | |
| 2N4123 and A5T4123 | TO92 TO92-38 | 40 V | 30 V | 5 V | 50 nA @ 20 V | | 50-150 @ 2 mA/ 1 V 25 @ 50 mA/ 1 V | | | 0.3 V 0.95 V @ 50 mA | | | 4 pF | 250 MHz @ 10 mA | | |
| 2N4124 and A5T4124 | TO92 TO92-38 | 30 V | 25 V | 5 V | 50 nA @ 20 V | | 120-360 @ 2 mA/ 1 V 60 @ 50 mA/ 1 V | | | 0.3 V 0.95 V @ 50 mA | | | 4 pF | 300 MHz @ 10 mA | | |
| PN4140 | TO92 | 60 V | 30 V | 5 V | 50 nA @ 40 V | | 20 @ 0.1 mA/10 V 25 @ 1 mA/10 V 35 @ 10 mA/10 V 20 @ 150 mA/ 1 V 40-120 @ 150 mA/10 V 20 @ 500 mA/10 V | | | 0.4 V 1.3 V @ 150 mA | | | 8 pF | 250 MHz @ 20 mA | | |
| PN4141 | TO92 | 60 V | 30 V | 5 V | 50 nA @ 40 V | | 35 @ 0.1 mA/10 V 50 @ 1 mA/10 V 75 @ 10 mA/10 V 50 @ 150 mA/ 1 V 100-300 @ 150 mA/10 V 30 @ 500 mA/10 V | | | 0.4 V 1.3 V @ 150 mA | | | 8 pF | 250 MHz @ 20 mA | | |
| PN4227 | TO92 | 60 V | 30 V | 5 V | 50 nA @ 40 V | | 25 @ 0.1 mA/10 V 35 @ 1 mA/10 V 50 @ 10 mA/10 V 30 @ 150 mA/ 1 V 75-150 @ 150 mA/10 V 20 @ 500 mA/10 V | | | 0.4 V 1.3 V @ 150 mA | | | 8 pF | 250 MHz @ 20 mA | | |
| 2N4400 | TO92 | 60 V | 40 V | 6 V | 100 nA @ 35 V (¹ CEX) | | 20 @ 1 mA/ 1 V 40 @ 10 mA/ 1 V 50-150 @ 150 mA/ 1 V 20 @ 500 mA/ 2 V | | | 0.4 V 0.95 V @ 150 mA 0.75 V 1.2 V @ 500 mA | | | 6.5 pF | 200 MHz @ 20 mA | 255 nS | |
| 2N4401 | TO92 | 60 V | 40 V | 6 V | 100 nA @ 35 V (¹ CEX) | | 20 @ 0.1 mA/ 1 V 40 @ 1 mA/ 1 V 80 @ 10 mA/ 1 V 100-300 @ 150 mA/ 1 V 40 @ 500 mA/ 2 V | | | 0.4 V 0.95 V @ 150 mA 0.75 V 1.2 V @ 500 mA | | | 6.5 pF | 250 MHz @ 20 mA | 255 nS | |
| 2N4951 | TO92-2 | 60 V | 30 V | 5 V | 50 nA @ 40 V | | 20 @ 1 mA/10 V 40 @ 10 mA/10 V 60-200 @ 150 mA/10 V | | | 0.3 V 1.3 V @ 150 mA | | | 8 pF | 250 MHz @ 20 mA | 400 nS | |
| 2N4952 | TO92-2 | 60 V | 30 V | 5 V | 50 nA @ 40 V | | 50 @ 1 mA/10 V 75 @ 10 mA/10 V 100-300 @ 150 mA/10 V | | | 0.3 V 1.3 V @ 150 mA | | | 8 pF | 250 MHz @ 20 mA | 400 nS | |

GENERAL PURPOSE AMPLIFIERS AND HIGH-SPEED SWITCHES

NPN TRANSISTORS

| TYPE | CASE STYLE | V_{CE0} Min | V_{E0} Min | V_{CE0} Min | I_{C0} Max | V_{CB} e | h_{FE} Min-Max | I_C e | V_{CE} & | $V_{CE(sat)}$ Max | $V_{BE(sat)}$ Max | I_C | C_{ob} Max | f_T Min | I_C e | t_{off} Max |
|--|---------------------------|------------------|-----------------|------------------|---------------------|---------------|--------------------------|---|---------------|----------------------|---------------------------------|-------|-----------------|----------------|------------|------------------|
| 2N4953 | TO92-2 | 60V | 30V | 5V | 50 nA @ 40V | | 75 @ 150-600 | @ 1 mA/10V @ 10 mA/10V @ 150 mA/10V | | 0.3V | 1.3V @ 150 mA | | 8 pF | 250 MHz@20 mA | | 400 nS |
| 2N4954 | TO92-2 | 40V | 30V | 5V | 50 nA @ 40V | | 20 @ 40-600 | @ 1 mA/10V @ 10 mA/10V @ 150 mA/10V | | 0.3V | 1.3V @ 150 mA | | 8 pF | 250 MHz@20 mA | | 400 nS |
| PN5132 | TO92 | 20V | 20V | 3V | 50 nA @ 10V | | 30-400 | @ 10 mA/10V | | 2V | 0.9V @ 10 mA | | 3.5 pF | 200 MHz@10 mA | | |
| PN5135 | TO92 | 30V | 4V | 25V | 30 nA @ 15V | | 50-600 15 | @ 10 mA/10V @ 2 mA/1V | | 1V | 1V @ 100 mA | | 25 pF | 40 MHz | | |
| 2N5172 and A5T5172 and MPS5172 | TO92-2 TO92-38 TO92 | 25V | 25V | 5V | 100 nA @ 25V | | 100-500 | @ 10 mA/10V | | 0.25V | 1.2V @ 10 mA | | 10 pF | 120 MHz(Typ.) | | |
| 2N5219 | TO92 | 20V | 15V | 3V | 100 nA @ 10V | | 35-500 | @ 2 mA/10V | | 0.4V | 1.0V @ 10 mA | | 4 pF | 150 MHz@10 mA | | |
| A5T5219 | TO92-38 | 20V | 15V | 3V | 100 nA @ 10V | | 35-500 | @ 2 mA/10V | | 0.4V | 1.0V @ 10 mA | | 4 pF | 150 MHz@10 mA | | |
| 2N5220 and A5T5220 | TO92 | 15V | 15V | 3V | 100 nA @ 10V | | 25 @ 30-600 | @ 10 mA/10V @ 50 mA/10V | | 0.5V | 1.1V @ 150 mA | | 10 pF | 100 MHz@20 mA | | |
| 2N5223 | TO92 | 25V | 20V | 3V | 100 nA @ 10V | | 50-800 | @ 2 mA/10V | | 0.7V | 1.2V @ 10 mA | | 4 pF | 150 MHz@10 mA | | |
| A5T5223 | TO92 | 25V | 20V | 3V | 100 nA @ 10V | | 50-800 | @ 2 mA/10V | | 0.7V | 1.2V @ 10 mA | | 4 pF | 150 MHz@10 mA | | |
| 2N5225 and A5T5225 | TO92 TO92-38 | 25V | 25V | 4V | 300 nA @ 15V | | 25 @ 30-600 | @ 10 mA/10V @ 50 mA/10V | | 0.8V | 1.0V @ 100 mA | | 20 pF | 50 MHz@20 mA | | |
| 2N5368 | TO92-38 | 60V | 5V | 30V | 50 nA @ 40V | | 20 @ 40-60-200 | @ 1 mA/10V @ 10 mA/10V @ 150 mA/10V | | 0.3V | 1.3V @ 150 mA | | 8 pF | | | 350 nS |
| 2N5369 | TO92-38 | 60V | 5V | 30V | 50 nA @ 40V | | 50 @ 75-100-300 | @ 1 mA/10V @ 10 mA/10V @ 150 mA/10V | | 0.3V | 1.3V @ 150 mA | | 8 pF | | | 350 nS |
| 2N5370 | TO92-38 | 60V | 5V | 30V | 50 nA @ 40V | | 75 @ 150-200-600 | @ 1 mA/10V @ 10 mA/10V @ 150 mA/10V | | 0.3V | 1.3V @ 150 mA | | 8 pF | | | 400 nS |
| 2N5449 | TO92-38 | 50V | 30V | 5V | 100 nA @ 20V | | 100-300 | @ 50 mA/ 2V | | 0.6V | 1.0V @ 100 mA | | 12 pF | 100 MHz@50 mA | | |
| 2N5450 | TO92-38 | 50V | 30V | 5V | 100 nA @ 20V | | 50-150 | @ 50 mA/ 2V | | 0.8V | 1.0V @ 100 mA | | 12 pF | 100 MHz@50 mA | | |
| 2N5451 | TO92-38 | 40V | 20V | 5V | 100 nA @ 20V | | 30-600 | @ 50 mA/ 2V | | 1.0V | 1.0V @ 100 mA | | 12 pF | 100 MHz@50 mA | | |
| MPS6512 | TO92 | 40V | 30V | 4V | 50 nA @ 30V | | 50-100 30 | @ 2 mA/10V @ 100 mA/10V | | 0.5V | @ 50 mA | | 3.5 pF | | | |
| MPS6513 | TO92 | 40V | 30V | 4V | 50 nA @ 30V | | 90-180 60 | @ 2 mA/10V @ 100 mA/10V | | 0.5V | @ 50 mA | | 3.5 pF | | | |
| MPS6514 | TO92 | 40V | 25V | 4V | 50 nA @ 30V | | 150-300 90 | @ 2 mA/10V @ 100 mA/10V | | 0.5V | @ 50 mA | | 3.5 pF | | | |
| MPS6515 | TO92 | 40V | 25V | 4V | 50 nA @ 30V | | 250-500 150 | @ 2 mA/10V @ 100 mA/10V | | 0.5V | @ 50 mA | | 3.5 pF | | | |
| MPS6530 | TO92 | 60V | 40V | 5V | 50 nA @ 40V | | 30 @ 40-120-25 | @ 10 mA/ 1V @ 100 mA/ 1V @ 500 mA/10V | | 0.5V | 1V @ 100 mA | | 5 pF | | | |
| MPS6531 | TO92 | 60V | 40V | 5V | 50 nA @ 40V | | 60 @ 90-270-50 | @ 10 mA/ 1V @ 100 mA/ 1V @ 500 mA/10V | | 0.3V | 1V @ 100 mA | | 5 pF | | | |
| MPS6532 | TO92 | 50V | 30V | 5V | 100 nA @ 30V | | 30 | @ 100 mA/ 1V | | 0.5V | 1.2V @ 100 mA | | 5 pF | | | |
| MPS6564 | TO92 | | 45V | 5V | 500 nA @ 40V | | 25 | @ 10 mA/ 5V | | 0.5V | @ 10 mA | | 4 pF | | | |
| MPS6565 | TO92 | 60V | 45V | 4V | 100 nA @ 30V | | 40-160 | @ 10 mA/10V | | 0.4V | @ 10 mA | | 3.5 pF | 200 MHz@10 mA | | |
| MPS6566 | TO92 | 60V | 45V | 4V | 100 nA @ 30V | | 100-400 | @ 10 mA/10V | | 0.4V | @ 10 mA | | 3.5 pF | 200 MHz@10 mA | | |
| MPSA20 | TO92 | | 40V | 4V | 100 nA @ 30V | | 40-400 | @ 5 mA/10V | | 0.25V | @ 10 mA | | 4 pF | 125 MHz @ 5 mA | | |
| TIS109 | TO92-38 | 60V | 30V | 5V | 100 nA @ 20V | | 20 @ 30-40-35-100-400-20 | @ 0.1 mA/10V @ 1 mA/10V @ 10 mA/10V @ 150 mA/ 1V @ 150 mA/10V @ 500 mA/10V | | 0.4V 1.6V | 1.3V 2.6V @ 500 mA | | 10 pF | 250 MHz@20 mA | | 213 nS |
| TIS110 | TO92-38 | 60V | 40V | 6V | 100 nA @ 35V ('CEX) | | 20 @ 40-50-150-20 | @ 1 mA/ 1V @ 10 mA/ 1V @ 150 mA/ 1V @ 500 mA/ 2V | | 0.4V 0.75V | 0.95V @ 150 mA 1.2V @ 500 mA | | 6.5 pF | 200 MHz@20 mA | | 290 nS |
| TIS111 | TO92-38 | 60V | 40V | 6V | 100 nA @ 35V ('CEX) | | 20 @ 40-80-100-300-40 | @ 0.1 mA/ 1V @ 1 mA/ 1V @ 10 mA/ 1V @ 150 mA/ 1V @ 500 mA/ 2V | | 0.4V 0.75V | 0.95V @ 150 mA 1.2V @ 500 mA | | 6.5 pF | 250 MHz@20 mA | | 290 nS |