

RF-IF High Frequency Transistors

| TYPE NO. | POLARITY | CASE | MAXIMUM RATINGS | | | H _{FE} | | | | V _{CE(sat)} | | f _T min (MHz) | C _{ob} C _{re} * max (pF) | N.F. max (dB) |
|----------|----------|--------|------------------------|------------------------|---|-----------------|-------|------------------------|------------------------|----------------------|------------------------|--------------------------------|---|---------------------|
| | | | P _d (mW) | I _C (mA) | V _{CEO} V _{CBO} * (V) | min | max | I _C (mA) | V _{CE} (V) | max (V) | I _C (mA) | | | |
| | | | | | | | | | | | | | | |
| MPSH11 | N | TO-92C | 310 | 50 | 25 | 60 | - | 5 | 10 | 0.5 | 10 | 800 | 0.9 | 6 |
| MPSH17 | N | TO-92C | 625 | 50 | 15 | 25 | 250 | 2 | 12 | 1.3 | 10 | 100 | 3.2 | - |
| PN3563 | N | TO-92A | 250 | 50 | 12 | 20 | 200 | 8 | 10 | - | - | 600 | 1.7 | 4+ |
| PN3564 | N | TO-92A | 250 | 50 | 15 | 20 | 200 | 15 | 10 | 0.3 | 20 | 400 | 3.5 | - |
| PN5130 | N | TO-92A | 250 | 50 | 12 | 15 | 250 | 8 | 10 | 0.6 | 10 | 450 | 1.7 | 4+ |
| PN5132 | N | TO-92A | 250 | 50 | 20 | 30 | 400 | 10 | 10 | 0.2 | 10 | 200 | 3.5 | - |
| 2N917 | N | TO-72G | 200 | 50 | 15 | 20 | 200 | 3 | 1 | 0.5 | 3 | 500 | 1.7 | 6 |
| 2N918 | N | TO-72G | 200 | 50 | 15 | 20 | - | 3 | 1 | 0.4 | 10 | 600 | 1.7 | 6 |
| 2N3662 | N | TO-92B | 200 | 25 | 12 | 20 | - | 8 | 10 | 0.6 | 10 | 700 | 1.5 | 4 |
| 2N3663 | N | TO-92B | 200 | 25 | 12 | 20 | - | 8 | 10 | 0.6 | 10 | 700 | 1.5 | 4 |
| 2N3825 | N | TO-92B | 250 | 100 | 15 | 20 | - | 2 | 10 | 0.25 | 2 | 200 | 3.5 | 4 |
| 2N3826 | N | TO-92B | 360 | 30 | 45 | 40 | 160 | 10 | 10 | - | - | 200 | 3.5 | 4 |
| 2N3827 | N | TO-92B | 360 | 30 | 45 | 100 | 400 | 10 | 10 | - | - | 200 | 3.5 | 4 |
| 2N3854 | N | TO-92B | 200 | 100 | 18 | 35 | 70 | 2 | 4.5 | 0.2 | 10 | 100 | 3.5 | - |
| 2N3854A | N | TO-92B | 200 | 100 | 30 | 35 | 70 | 2 | 4.5 | 0.2 | 10 | 100 | 3.5 | - |
| 2N3855 | N | TO-92B | 200 | 100 | 18 | 60 | 120 | 2 | 4.5 | 0.2 | 10 | 130 | 3.5 | - |
| 2N3855A | N | TO-92B | 200 | 100 | 30 | 60 | 120 | 2 | 4.5 | 0.2 | 10 | 130 | 3.5 | - |
| 2N3856 | N | TO-92B | 200 | 100 | 18 | 100 | 200 | 2 | 4.5 | 0.2 | 10 | 140 | 3.5 | - |
| 2N3856A | N | TO-92B | 200 | 100 | 30 | 100 | 200 | 2 | 4.5 | 0.2 | 10 | 140 | 3.5 | - |
| 2N4292 | N | TO-92B | 200 | 50 | 15 | 20 | - | 3 | 1 | 0.6 | 10 | 600 | 3.5 | 6 |
| 2N4293 | N | TO-92B | 200 | 50 | 15 | 20 | - | 3 | 1 | 0.6 | 10 | 600 | 3.5 | 6 |
| 2N4994 | N | TO-92F | 360 | 30 | 45 | 40 | 160 | 10 | 10 | - | - | 200 | 3.5 | - |
| 2N5179 | N | TO-72G | 200 | 50 | 12 | 25 | 250 | 3 | 1 | 0.4 | 10 | 600+ | 1 | 4.5 |
| 2N5180 | N | TO-72G | 180 | - | 15 | 20 | 200 | 2 | 8 | 0.3 | 10 | 650 | 1 | - |
| 2N5181 | N | TO-72G | 180 | 50 | 45 * | 27 | - | 1 | 6 | - | - | 400 | - | - |
| 2N5182 | N | TO-72G | 180 | - | 35 * | 27 | - | 1 | 6 | - | - | 400 | - | - |
| 2N5770 | N | TO-92A | 625 | 50 | 15 | 20 | - | 3 | 1 | 0.4 | 10 | 600+ | 1.7 | 6 |
| 2SC717 | N | TO-92B | 200 | 50 | 19 | 40 | - | 1 | 6 | 1 | 20 | 600 | 2 | - |
| 2SC817 | N | TO-72G | 120 | 20 | 15 | 35 | 300 # | 1 | 1 | - | - | 550 | 0.7* | - |
| 2SC829 | N | TO-92B | 250 | 30 | 20 | 40 | 250 # | 1 | 10 | 0.1 | 10 | 150 | 1.6* | - |
| 2SC838 | N | TO-92B | 250 | 50 | 25 | 30 | 180 # | 0.5 | 3 | 0.3 | 10 | 150 | 2.5 | - |
| 2SC839 | N | TO-92B | 250 | 50 | 25 | 30 | 180 # | 0.5 | 3 | 0.3 | 10 | 150 | 2.5 | 4 |
| 2SC929 | N | TO-92B | 120 | 30 | 10 | 40 | 320 # | 1 | 6 | - | - | 170 | 1.6* | - |
| 2SC930 | N | TO-92B | 120 | 30 | 10 | 25 | 320 # | 1 | 6 | - | - | 170 | 1.6* | - |
| 2SC1047 | N | TO-92B | 150 | 15 | 20 | 40 | 160 | 1 | 6 | - | - | 450 | 1* | 5 |
| 2SC1215 | N | TO-92B | 200 | 50 | 20 | 25 | - | 2 | 10 | 0.1+ | 10 | 600 | 1.5* | 20+ |
| 2SC1293 | N | TO-92B | 300 | 50 | 25 | 15 | 120 | 1 | 6 | - | - | 200 | 1.8* | - |
| 2SC1359 | N | TO-92B | 250 | 30 | 20 | 50 | 200 | 1 | 10 | 0.1+ | 10 | 150 | 1.5* | 4 |
| 2SC1674 | N | TO-92B | 250 | 30 | 20 | 40 | 180 # | 1 | 6 | - | - | 350 | 1.3 | - |
| 2SC1730 | N | TO-92B | 300 | 50 | 15 | 60 | 180 # | 5 | 10 | 0.5 | 10 | 800 | 1.5 | - |
| 2SC1789 | N | TO-92B | 200 | 50 | 18 | 20 | - | 2 | 10 | - | - | 600 | 1.5* | - |
| 2SC1923 | N | TO-92B | 100 | 20 | 30 | 25 | 140 # | 1 | 6 | - | - | 500 | 0.7+* | 4 |

HFE groupings available + typical value