

RF-IF High Frequency Transistors

| TYPE NO. | POLARITY | CASE | MAXIMUM RATINGS | | | H _{FE} | | | | V _{CE(sat)} | | f _T (MHz) | C _{ob} C _{re} * max (pF) | N.F. max (dB) |
|----------|----------|--------|------------------------|------------------------|-------------------------|-----------------|-------|------------------------|------------------------|----------------------|------------------------|-------------------------|---|---------------------|
| | | | P _d (mW) | I _C (mA) | V _{CEO} (V) | min | max | I _C (mA) | V _{CE} (V) | max (V) | I _C (mA) | | | |
| 2N5770 | N | TO-92A | 625 | 50 | 15 | 20 | - | 3 | 1 | 0.4 | 10 | 600+ | 1.7 | 6 |
| 2SC477 | N | TO-72G | 140 | 30 | 32 | 40 | 170 | 1 | 10 | - | - | 150 | - | - |
| 2SC568 | N | TO-72G | 200 | 20 | 15 | 40 | 150 | 2 | 6 | - | - | 700 | 1 | 3 |
| 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 |
| 2SC922 | N | TO-92B | 250 | 20 | 20 | 40 | 180 | 1 | 6 | - | - | 400 | 1.2* | 5 |
| 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* | - |
| 2SC947 | N | TO-72G | 150 | 15 | 20 | 35+ | - | 1 | 10 | 0.6+ | 10 | 400 | - | - |
| 2SC948 | N | TO-72G | 150 | 15 | 20 | 35+ | - | 1 | 10 | 0.6+ | 10 | 700 | - | - |
| 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 | - |
| 2SC1687 | N | TO-92E | 400 | 30 | 25 | 38 | - | 7 | 10 | 1.8 | 10 | 360 | 0.5* | - |
| 2SC1688 | N | TO-92E | 400 | 30 | 40 | 38 | - | 7 | 10 | 0.8 | 10 | 360 | 0.5* | - |
| 2SC1730 | N | TO-92B | 300 | 50 | 15 | 60 | 180 # | 5 | 10 | 0.5 | 10 | 800 | 1.5 | - |
| 2SC1778 | N | TO-92E | 150 | 15 | 20 | 20 | - | 3 | 10 | - | - | 600 | 0.6* | - |
| 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 |

□ BVCBO + typical value # HFE groupings available.