

RF-IF High Frequency Transistors

| TYPE NO. | POLARITY | CASE | MAXIMUM RATINGS | | | HFE | | | | VCE(sat) | | fT min (MHz) | Cob Cre* max (pF) | N.F. max (dB) |
|----------|----------|--------|-----------------|------------|-------------|-----|-------|------------|------------|------------|------------|--------------------|----------------------------|---------------------|
| | | | Pd (mW) | IC (mA) | VCEO (V) | min | max | IC (mA) | VCE (V) | max (V) | IC (mA) | | | |
| BF115 | N | TO-72J | 165 | 30 | 30 | 48 | 167 | 1 | 10 | - | - | 230+ | 0.8* | 3.5+ |
| BF152 | N | TO-106 | 200 | - | 12 | 20 | - | 3 | 6 | 0.5 | 10 | 600 | 1.2 | - |
| BF153 | N | TO-106 | 200 | - | 12 | 20 | - | 3 | 12 | 0.5 | 10 | 300 | 1.2 | - |
| BF155 | N | TO-72G | 200 | 20 | 40 | 20 | - | 2.5 | 10 | 0.3 | 10 | 400 | 0.4+* | 9 |
| BF158 | N | TO-106 | 200 | 50 | 12 | 20 | - | 4 | 10 | 0.5 | 10 | 700+ | 1.2* | 3.5 |
| BF159 | N | TO-106 | 200 | 50 | 20 | 20 | - | 4 | 10 | 0.5 | 10 | 700+ | 1.2* | 3.5 |
| BF160 | N | TO-106 | 200 | 50 | 12 | 20 | - | 3 | 10 | 0.5 | 10 | 400 | 1.2* | 3.5 |
| BF167 | N | TO-72J | 150 | 25 | 30 | 27 | - | 4 | 10 | 0.95 | 10 | 300+ | - | - |
| BF173 | N | TO-72J | 260 | 25 | 25 | 38 | - | 7 | 10 | - | - | 350 | 0.3* | - |
| BF180 | N | TO-72G | 150 | 20 | 20 | 45 | - | 2 | 10 | - | - | 675+ | 0.35 | - |
| BF181 | N | TO-72G | 150 | 20 | 20 | 20 | - | 2 | 10 | - | - | 600+ | 0.9+ | - |
| BF182 | N | TO-72G | 150 | 20 | 20 | 10 | - | 2 | 10 | - | - | 600+ | 1 | 7.4+ |
| BF183 | N | TO-72G | 150 | 20 | 20 | 10 | - | 3 | 10 | - | - | 800+ | 1+ | - |
| BF184 | N | TO-72J | 165 | 30 | 20 | 67 | 220 | 1 | 10 | - | - | 260+ | 0.9* | 4 |
| BF185 | N | TO-72J | 165 | 30 | 20 | 36 | 125 | 1 | 10 | - | - | 200+ | 0.9* | 4 |
| BF199 | N | TO-92E | 360 | 25 | 25 | 38 | - | 7 | 10 | - | - | 550+ | 0.32+* | - |
| BF200 | N | TO-72G | 150 | 20 | 20 | 15 | - | 2 | 10 | - | - | 500+ | 0.5* | 5 |
| BF224 | N | TO-92E | 360 | 50 | 30 | 30 | - | 7 | 10 | 0.15 | 10 | 300+ | 0.3+* | 4 |
| BF240 | N | TO-92E | 300 | 25 | 40 | 67 | 200 | 1 | 10 | - | - | 430+ | 0.34* | 3.5 |
| BF241 | N | TO-92E | 300 | 25 | 40 | 36 | 125 | 1 | 10 | - | - | 400+ | 0.34* | 3.5 |
| BF253 | N | TO-92E | 300 | 30 | 30 | 40 | 350 # | 1 | 10 | - | - | 150 | 0.7+* | 1.5 |
| BF254 | N | TO-92E | 300 | 30 | 20 | 67 | 220 | 1 | 10 | 0.1+ | 10 | 260+ | 0.85+* | 4 |
| BF255 | N | TO-92E | 300 | 30 | 20 | 36 | 125 | 1 | 10 | 0.1+ | 10 | 200+ | 0.85+* | 4 |
| BF271 | N | TO-72J | 250 | 25 | 25 | 30 | - | 10 | 10 | 0.13+ | 10 | 500+ | 0.22+* | - |
| BF310 | N | TO-92F | 300 | 25 | 30 | 29 | - | 4 | 10 | - | - | 300+ | 1.6 | - |
| BF311 | N | TO-92E | 300 | 25 | 25 | 40 | - | 15 | 10 | - | - | 750+ | 0.35* | - |
| BF314 | N | TO-92F | 300 | 25 | 30 | 29 | - | 4 | 10 | - | - | 450+ | 0.13* | - |
| BF368 | N | TO-92A | 310 | 50 | 15 | 35 | 125 | 1 | 10 | 0.4 | 10 | 250 | 1.7 | - |
| BF369 | N | TO-92A | 310 | 50 | 20 | 70 | 220 | 1 | 10 | 0.4 | 10 | 400 | 1.7 | - |
| BF374 | N | TO-92C | 350 | 100 | 25 | 70 | 250 | 1 | 10 | 0.07+ | 10 | 400 | 0.6 | 4+ |
| BF375 | N | TO-92C | 350 | 100 | 25 | 35 | 120 # | 1 | 10 | 0.07+ | 10 | 400 | 0.6 | 4+ |
| BF494 | N | TO-92E | 300 | 30 | 20 | 67 | 220 | 1 | 10 | 0.1+ | 10 | 260+ | 0.85+* | 4+ |
| BF495 | N | TO-92E | 300 | 30 | 20 | 36 | 125 | 1 | 10 | 0.1+ | 10 | 200+ | 0.85+* | 4+ |
| BF562 | N | TO-92F | 250 | 20 | 20 | 20 | - | 3 | 10 | - | - | 600 | - | 3 |
| BF594 | N | TO-92E | 250 | 30 | 25 | 65 | 220 | 1 | 10 | - | - | 260+ | 0.6+* | 1.4+ |
| BF595 | N | TO-92E | 250 | 30 | 25 | 35 | 125 | 1 | 10 | - | - | 260+ | 0.6+* | 1.4+ |
| BF597 | N | TO-92E | 360 | 25 | 25 | 38 | - | 7 | 10 | - | - | 550+ | 0.3+* | - |
| BFS62 | N | TO-72G | 200 | 25 | 25 | 35 | - | 7 | 10 | - | - | 580 | 0.33* | 4 |
| BFW41 | N | TO-72G | 200 | - | 15 | 40 | 80 | 3 | 1 | 0.4 | 10 | 600 | 3 | 4 |
| BFW68 | N | TO-18 | 360 | - | 40 | 40 | - | 10 | 1 | 0.15 | 10 | 250 | 4 | 6 |
| BFW70 | N | TO-72G | 240 | - | 30 | 30 | - | 10 | 10 | - | - | 750 | 1.6+ | 2.6+ |
| BFX60 | N | TO-72G | 230 | 25 | 25 | 50 | - | 7 | 10 | - | - | 400 | 0.3* | 5+ |
| BFX73 | N | TO-72G | 200 | 50 | 15 | 20 | - | 3 | 1 | 0.4 | 10 | 600 | 1.7 | 6 |
| BFX89 | N | TO-72G | 25 | 15 | 20 | 20 | 150 | 2 | 1 | - | - | 1000+ | 1.7 | 4 |
| BFY74 | N | TO-18 | 360 | 100 | 45 | 40 | 180 | 10 | 5 | 1 | 10 | 250 | 4 | - |
| BFY75 | N | TO-18 | 360 | 100 | 45 | 65 | 300 | 10 | 5 | 1 | 10 | 250 | 4 | - |
| BFY78 | N | TO-18 | 300 | 50 | 12 | 20 | - | 3 | 1 | 0.4 | 10 | 500 | 2.8 | 6 |
| BFY79 | N | TO-72G | 300 | - | 30 | 30 | - | 4 | 10 | - | - | 400 | 1.6 | 5.5 |
| BFY88 | N | TO-72J | 175 | 25 | 25 | 40 | - | 5 | 1 | - | - | 750 | 0.28* | 4 |
| KM9016 | N | TO-92A | 300 | 50 | 20 | 28 | 198 # | 1 | 5 | 0.5 | 10 | 500 | 1.6 | 3 |

+ typical value # HFE groupings available.