

N - Channel Junction Field Effect Transistors

GENERAL PURPOSE

| TYPE NO. | CASE | MAXIMUM RATINGS | | IDSS (mA) | | Yfs (mmhos) | | VGS(off) (V) | | Ciss (pF) | Crss (pF) | NF (dB) |
|----------|---------|-----------------|-----------|-----------|-----|-------------|-----|--------------|------|-----------|-----------|---------|
| | | Pd (mW) | BVGSS (V) | min | max | min | max | min | max | max | max | max |
| BC264A | TO-92DE | 300 | 30 | 2 | 4.5 | 2.5 | - | 0.5 | 8 | 4+ | 1.2+ | 2 |
| BC264B | TO-92DE | 300 | 30 | 3.5 | 6.5 | 3 | - | 0.5 | 8 | 4+ | 1.2+ | 2 |
| BC264C | TO-92DE | 300 | 30 | 5 | 8 | 3.5 | - | 0.5 | 8 | 4+ | 1.2+ | 2 |
| BC264D | TO-92DE | 300 | 30 | 7 | 12 | 4 | - | 0.5 | 8 | 4+ | 1.2+ | 2 |
| BF246A | TO-92DA | 250 | 25 | 30 | 80 | 8 | 17 | 0.6 | 14.5 | 11+ | 3.5+ | - |
| BF246B | TO-92DA | 250 | 25 | 60 | 140 | 8 | 17 | 0.6 | 14.5 | 11+ | 3.5+ | - |
| BF246C | TO-92DA | 250 | 25 | 110 | 250 | 8 | 17 | 0.6 | 14.5 | 11+ | 3.5+ | - |
| BF247A | TO-92DE | 250 | 25 | 30 | 80 | 8 | 17 | 0.6 | 14.5 | 11+ | 3.5+ | - |
| BF247B | TO-92DE | 250 | 25 | 60 | 140 | 8 | 17 | 0.6 | 14.5 | 11+ | 3.5+ | - |
| BF247C | TO-92DE | 250 | 25 | 110 | 250 | 8 | 17 | 0.6 | 14.5 | 11+ | 3.5+ | - |
| 2N5103 | TO-72DH | 300 | 25 | 1 | 8 | 2 | 8 | 0.5 | 4 | 5 | 1 | - |
| 2N5104 | TO-72DH | 300 | 25 | 2 | 6 | 3.5 | 7.5 | 0.5 | 4 | 5 | 1 | - |
| 2N5556 | TO-72DH | 300 | 30 | 0.5 | 2.5 | 1.5 | 6.5 | 0.2 | 4 | 6 | 3 | 1 |
| 2N5557 | TO-72DH | 300 | 30 | 2 | 5 | 1.5 | 6.5 | 0.8 | 5 | 6 | 3 | 1 |
| 2N5558 | TO-72DH | 300 | 30 | 4 | 10 | 1.5 | 6.5 | 1.5 | 6 | 6 | 3 | 1 |

VHF/UHF AMPLIFIER

| TYPE NO. | CASE | MAXIMUM RATINGS | | IDSS (mA) | | Yfs (mmhos) | | VGS(off) (V) | | Ciss (pF) | Crss (pF) | NF (dB) |
|----------|---------|-----------------|-----------|-----------|-----|-------------|-----|--------------|-----|-----------|-----------|---------|
| | | Pd (mW) | BVGSS (V) | min | max | min | max | min | max | max | max | max |
| BF244A | TO-92DA | 300 | 30 | 2 | 6.5 | 3 | 6.5 | 0.5 | 8 | 4 | 1.6 | 1.5+ |
| BF244B | TO-92DA | 300 | 30 | 6 | 15 | 3 | 6.3 | 0.5 | 8 | 4 | 1.6 | 1.5+ |
| BF244C | TO-92DA | 300 | 30 | 12 | 25 | 3 | 6.5 | 0.5 | 8 | 4 | 1.6 | 1.5+ |
| BF245A | TO-92DE | 300 | 30 | 2 | 6.5 | 3 | 6.5 | 0.5 | 8 | 4 | 1.6 | 1.5+ |
| BF245B | TO-92DE | 300 | 30 | 6 | 15 | 3 | 6.5 | 0.5 | 8 | 4 | 1.6 | 1.5+ |
| BF245C | TO-92DE | 300 | 30 | 12 | 25 | 3 | 6.5 | 0.5 | 8 | 4 | 1.6 | 1.5+ |
| BF256A | TO-92DE | 360 | 30 | 3 | 7 | 4.5 | - | 0.5 | 7.5 | 4.5 | 1.2 | 7.5+ |
| BF256B | TO-92DE | 360 | 30 | 6 | 13 | 4.5 | - | 0.5 | 7.5 | 4.5 | 1.2 | 7.5+ |
| BF256C | TO-92DE | 360 | 30 | 11 | 18 | 4.5 | - | 0.5 | 7.5 | 4.5 | 1.2 | 7.5+ |
| 2N3819 | TO-92DA | 300 | 25 | 2 | 20 | 2 | 6.5 | - | 8 | 8 | 4 | - |
| 2N3823 | TO-72DH | 300 | 30 | 4 | 20 | 3.5 | 6.5 | - | 8 | 6 | 2 | 2.5 |
| 2N4223 | TO-72DH | 300 | 30 | 3 | 18 | 3 | 77 | - | 8 | 6 | 2 | 5 |
| 2N4224 | TO-72DH | 300 | 30 | 2 | 20 | 2 | 7 | - | 8 | 0.8 | 2 | - |
| 2N4416 | TO-72DH | 300 | 30 | 5 | 15 | 4.5 | 7.5 | - | 6 | 4 | 0.8 | 4 |
| 2N4416A | TO-72DH | 300 | 35 | 5 | 15 | 4.5 | 7.5 | 2.5 | 6 | 4 | 0.8 | 4 |
| 2N5248 | TO-92DA | 360 | 30 | 4 | 20 | 3.5 | 6.5 | 1 | 8 | 6 | 2 | - |
| 2N5484 | TO-92DD | 310 | 25 | 1 | 5 | 3 | 6 | 0.3 | 3 | 5 | 1 | 3 |
| 2N5485 | TO-92DD | 310 | 25 | 4 | 10 | 3.5 | 7 | 0.5 | 4 | 5 | 1 | 2 |
| 2N5486 | TO-92DD | 310 | 25 | 8 | 20 | 4 | 8 | 2 | 6 | 5 | 1 | 2 |
| 2N5668 | TO-92DD | 310 | 25 | 1 | 5 | 1.5 | 6.5 | 0.2 | 4 | 7 | 3 | 2.5 |
| 2N5669 | TO-92DD | 310 | 25 | 4 | 10 | 2 | 6.5 | 1 | 6 | 7 | 3 | 2.5 |
| 2N5670 | TO-92DD | 310 | 25 | 8 | 20 | 3 | 7.5 | 2 | 8 | 7 | 3 | 2.5 |

+ typical value