



Silect HF Transistors — 450 kHz to 800 MHz

| Device Type (Case outline in brackets) | Maximum Ratings | | | | hFE | | | | f _T MHz | | | | N.F. | | C _{re} pF | Y _{fe} mMho | Alternative Case Outlines | Application Notes NPN |
|--|-----------------|-----------|----|------|------|------|-----|----|--------------------|------|--------|----|---------|------|-----------------------|-------------------------|--|---|
| | BV CBO | BV CEO | IC | PTOT | IC | | VCE | | min. typ | | IC VCE | | dB fMHz | | | | | |
| | V | V | mA | mW | min. | max. | mA | V | min. | typ | mA | V | min. | max. | | | | |
| BF594 (9) | 30 | 20 | 30 | 250 | 65 | 220 | 1 | 10 | — | 260 | 1 | 10 | 4.0 | 100 | 0.95 | — | BF594, 5, 6, 7 are "Lockfit" compatible | Radio and T.V. Sound I.F. amplifiers directly replaces BF194 |
| BF595 (9) | 30 | 20 | 30 | 250 | 35 | 125 | 1 | 10 | — | 200 | 1 | 10 | 4.0 | 100 | 0.95 | — | | Radio and T.V. Sound I.F. amplifiers directly replaces BF195 |
| BF597 (9) | 40 | 25 | 30 | 360 | 38 | — | 7 | 10 | — | 550 | 5 | 10 | — | — | 0.30 | 170 | | Video I.F. amplifier stages in T.V. directly replaces BF197 |
| BF357K (8) | 30 | 15 | 50 | 200 | 20 | 350 | 5 | 6 | 1200 | 2000 | 5 | 6 | 4 | 450 | 0.85 | 41 | | NPN Wide Band amplifiers up to 800 MHz Antenna amplifier for T.V. and f.m. Radio |
| BF576 (1) | 20 | 15 | 50 | 200 | 30 | — | 10 | 10 | — | 1200 | 10 | 10 | — | — | 2.0 | — | BF576TO5 (3) | PNP Wide band amps as above |

PN Unijunction

| Device Type (case outline in brackets) | BV EB2 V | IE PKA A | PTOT mW | R _{B1, B2} kΩ | | η | | I _P max. | V _{EB1} (sat) max. | (mod) I _{B2} mA min. | General purpose unijunction available in 4 selected η ranges A,B,C,D |
|--|----------------|----------------|------------|------------------------|------|------|------|------------------------|-----------------------------------|-------------------------------------|--|
| | | | | min. | max. | min. | max. | | | | |
| TIS43 (10) | 30 | 1.5 | 300 | 4.0 | 9.1 | 0.55 | 0.82 | 5μA | 4.0 | 10 | A=0.55-0.64; B=0.61-0.70 C=0.67-0.76; D=0.73-0.82 |