

Medium Power Amplifiers and Switches

| TYPE NO. | POLARITY | CASE | MAXIMUM RATINGS | | | HFE | | VCE(sat) | | ft min (MHz) | Cob max (pF) | COMPLEMENTARY TYPE | | |
|----------|----------|-------|-----------------|-----------|-------------|-----|-------|------------|------------|--------------------|--------------------|-----------------------|------------|-------|
| | | | Pd (mW) | IC (A) | VCEO (V) | min | max | IC (mA) | VCE (V) | | | | max (V) | (A) |
| BFT40 | N | TO-39 | 800 | 1 | 60 | 75 | 250 | 100 | 10 | 1.0 | 1 | 100 | 10 | BFT80 |
| BFT41 | N | TO-39 | 800 | 1 | 50 | 100 | 300 | 100 | 10 | 1.0 | 1 | 100 | 10 | BFT81 |
| BFW24 | N | TO-39 | 800 | 1 | 60 | 40 | 120 | 150 | 1 | 1.0 | 1 | 60 | 25 | - |
| BFW25 | N | TO-39 | 800 | 1 | 40 | 100 | 300 | 150 | 1 | 1.0 | 1 | 70 | 25 | - |
| BFW26 | N | TO-39 | 800 | 1 | 40 | 40 | 120 | 150 | 1 | 1.0 | 1 | 60 | 25 | - |
| BFW29 | N | TO-39 | 600 | 0.4 | 30 | 45 | - | 6 | 15 | 0.5 | 0.15 | 40 | 25 | - |
| BFW31 | P | TO-18 | 500 | 0.7 | 30 | 70 | - | 100 | 10 | 0.4 | 0.1 | - | 12 | - |
| BFW32 | N | TO-18 | 500 | 0.7 | 30 | 70 | - | 100 | 10 | 0.4 | 0.1 | - | 12 | - |
| BFW33 | N | TO-39 | 800 | - | 80 | 40 | 120 | 150 | 10 | 5 | 0.15 | 50 | 15 | - |
| BFW34 | N | TO-39 | 600 | 0.2 | 30 | 45 | - | 6 | 15 | 0.5 | 0.05 | 70 | 10 | - |
| BFW35 | N | TO-39 | 600 | 0.2 | 30 | 80 | 150 | 6 | 15 | 0.5 | 0.05 | 70 | 10 | - |
| BFW80 | N | TO-39 | 600 | 0.2 | 30 | 90 | - | 6 | 15 | 0.5 | 0.05 | 70 | 10 | - |
| BFX29 | P | TO-39 | 600 | 0.6 | 60 | 50 | 125 | 10 | 10 | 0.4 | 0.15 | 100 | 12 | - |
| BFX30 | P | TO-39 | 600 | 0.6 | 65 | 50 | 200 | 10 | 0.4 | - | - | 100 | 12 | - |
| BFX35 | P | TO-18 | 360 | - | 40 | 80 | - | 10 | 10 | 0.3 | 0.05 | 200 | 10 | - |
| BFX38 | P | TO-39 | 800 | 1 | 55 | 85 | - | 100 | 5 | 0.5 | 0.5 | 100 | 20 | - |
| BFX39 | P | TO-39 | 800 | 1 | 55 | 40 | - | 100 | 5 | 0.5 | 0.5 | 100 | 20 | - |
| BFX40 | P | TO-39 | 800 | 1 | 75 | 40 | - | 100 | 5 | 0.5 | 0.5 | 100 | 20 | - |
| BFX41 | P | TO-39 | 800 | 1 | 75 | 85 | - | 100 | 5 | 0.5 | 0.5 | 100 | 20 | - |
| BFX68 | N | TO-39 | 700 | - | 30 | 100 | 300 | 150 | 10 | 1.5 | 0.15 | 70 | 25 | - |
| BFX69 | N | TO-39 | 800 | - | 30 | 40 | 120 | 150 | 10 | 1.5 | 0.15 | 60 | 25 | - |
| BFX69A | N | TO-39 | 800 | - | 40 | 40 | - | 150 | 10 | 1.2 | 0.5 | 60 | 20 | - |
| BFX74 | P | TO-39 | 600 | - | 35 | 30 | 90 | 150 | 10 | 1.5 | 0.15 | 60 | 45 | - |
| BFX74A | P | TO-39 | 800 | - | 60 | 30 | - | 150 | 10 | 0.3 | 0.15 | 100 | 20 | - |
| BFX84 | N | TO-39 | 800 | 1 | 60 | 30 | - | 150 | 10 | 0.35 | 0.15 | 50 | 12 | - |
| BFX85 | N | TO-39 | 800 | 1 | 60 | 70 | - | 150 | 10 | 0.35 | 0.15 | 100 | 12 | - |
| BFX86 | N | TO-39 | 800 | 1 | 35 | 70 | - | 150 | 10 | 0.35 | 0.15 | 100 | 12 | - |
| BFX87 | P | TO-39 | 600 | 0.6 | 50 | 40 | - | 150 | 10 | 0.4 | 0.15 | 250 | 12 | - |
| BFX88 | P | TO-39 | 600 | 0.6 | 40 | 40 | - | 150 | 10 | 0.4 | 0.15 | 250 | 8 | - |
| BFX94 | N | TO-18 | 500 | 0.8 | 30 | 40 | 120 | 150 | 10 | 1.6 | 0.5 | 250 | 8 | - |
| BFX94A | N | TO-18 | 400 | 0.8 | 30 | 35 | - | 10 | 10 | 0.22 | 0.15 | 250 | 8 | - |
| BFX95 | N | TO-18 | 500 | 0.8 | 30 | 100 | 300 | 150 | 10 | 1.6 | 0.5 | 250 | 8 | - |
| BFX95A | N | TO-18 | 400 | 0.8 | 30 | 100 | 300 | 150 | 10 | 0.22 | 0.15 | 250 | 8 | - |
| BFX96 | N | TO-39 | 500 | 0.8 | 30 | 40 | 120 | 150 | 10 | 1.6 | 0.5 | 250 | 8 | - |
| BFX96A | N | TO-39 | 800 | 0.8 | 30 | 40 | 120 | 150 | 10 | 0.22 | 0.15 | 250 | 8 | - |
| BFX97 | N | TO-39 | 500 | 0.8 | 30 | 100 | 300 | 150 | 10 | 1.6 | 0.5 | 250 | 8 | - |
| BFX97A | N | TO-39 | 800 | 0.8 | 30 | 100 | 300 | 150 | 10 | 0.22 | 0.15 | 250 | 8 | - |
| BFY33 | N | TO-39 | 800 | 0.5 | 24 | 40 | - | 150 | 10 | 1.5 | 0.5 | 40 | 20 | - |
| BFY34 | N | TO-39 | 800 | 0.5 | 30 | 40 | 120 | 150 | 10 | 1.5 | 0.5 | 60 | 25 | - |
| BFY40 | N | TO-39 | 800 | 0.8 | 30 | 40 | - | 10 | 10 | 1.85 | 0.15 | - | - | - |
| BFY41 | N | TO-39 | 800 | 0.6 | 60 | 35 | - | 50 | 10 | 5 | 0.05 | - | - | - |
| BFY46 | N | TO-39 | 2600□ | 0.5 | 30 | 100 | 300 | 150 | 10 | 1.5 | 0.15 | - | - | - |
| BFY50 | N | TO-39 | 800 | 1 | 35 | 30 | 112 + | 150 | 10 | 0.2 | 0.15 | 60 | 12 | - |
| BFY51 | N | TO-39 | 800 | 1 | 30 | 40 | - | 150 | 10 | 0.35 | 0.15 | 50 | 12 | - |
| BFY52 | N | TO-39 | 800 | 1 | 20 | 60 | - | 150 | 10 | 0.35 | 0.15 | 50 | 12 | - |
| BFY53 | N | TO-39 | 800 | 1 | 20 | 30 | - | 150 | 10 | 0.35 | 0.15 | 50 | - | - |
| BFY55 | N | TO-39 | 800 | 1 | 35 | 40 | - | 150 | 6 | 0.2 | 0.15 | 60 | - | - |
| BFY56 | N | TO-39 | 800 | 1 | 45 | 30 | 150 | 150 | 1 | 1.2 | 1 | 40 | 25 | - |
| BFY56A | N | TO-39 | 800 | 1 | 55 | 40 | 120 | 150 | 1 | 1.2 | 1 | 60 | 25 | - |
| BFY64 | P | TO-39 | 700 | - | 40 | 80 | - | 10 | 10 | 1.8 | 0.5 | 200 | 10 | - |

+ typical value □ Tc=25°C