



PRO ELECTRON SERIES (Continued)

Datasheet.Live

5-22

| Type No. | Case Style | VCES* VCBO (V) Min | VCEO (V) Min | VEBO (V) Min | ICES* ICBO (nA) @ Max | VCB (V) | HFE hfe @ 1 kHz* | | IC (mA) & VCE (V) | VCE(SAT) (V) Max | VBE(SAT) & VBE(ON)* (V) @ | | IC (mA) | Cob (pF) Max | ft (MHz) @ | | IC (mA) | toff (ns) Max | NF (dB) Max | Test Conditions | Process No. |
|----------|------------|--------------------------|-----------------|-----------------|-----------------------------|---------|---------------------|-----------|----------------------|---------------------|------------------------------|------|---------|-----------------|------------|-----|---------|------------------|----------------|-----------------|-------------|
| | | | | | | | Min | Max | | | Min | Max | | | Min | Max | | | | | |
| BD240B | TO-220 | 80 | 80 | | 200 μA* 80 | | 15 40 | | 1A 200 | 4 4 | 0.7 | 1.3* | 1A | | 3 | 200 | 420 | 6 | 5/6 | 5F | |
| BD240C | TO-220 | 80 | 100 | | 200 μA* 100 | | 15 40 | | 1A 200 | 4 4 | 0.7 | 1.3* | 1A | | 3 | 200 | 420 | 6 | 5/6 | 5F | |
| BD241 | TO-220 | 80 | 45 | | 200 μA* 45 | | 10 25 | | 3A 1A | 4 4 | 1.3 | 1.8* | 3A | | 3 | 500 | 420 | 6 | 5/6 | 4F | |
| BD241A | TO-220 | 80 | 60 | | 200 μA* 60 | | 10 25 | | 3A 1A | 4 4 | 1.3 | 1.8* | 3A | | 3 | 500 | 420 | 6 | 5/6 | 4F | |
| BD241B | TO-220 | 80 | 80 | | 200 μA* 80 | | 10 25 | | 3A 1A | 4 4 | 1.3 | 1.8* | 3A | | 3 | 500 | 420 | 6 | 5/6 | 4F | |
| BD241C | TO-220 | 80 | 100 | | 200 μA* 100 | | 10 25 | | 3A 1A | 4 4 | 1.3 | 1.8* | 3A | | 3 | 500 | 420 | 6 | 5/6 | 4F | |
| BD242 | TO-220 | 80 | 45 | | 200 μA* 45 | | 10 25 | | 3A 1A | 4 4 | 1.2 | 1.8* | 3A | | 3 | 500 | 420 | 6 | 5/6 | 5E | |
| BD242A | TO-220 | 80 | 60 | | 200 μA* 60 | | 10 25 | | 3A 1A | 4 4 | 1.2 | 1.8* | 3A | | 3 | 500 | 420 | 6 | 5/6 | 5E | |
| BD242B | TO-220 | 80 | 80 | | 200 μA* 80 | | 10 25 | | 3A 1A | 4 4 | 1.2 | 1.8* | 3A | 3 | 3 | 500 | 420 | 6 | 5/6 | 5E | |
| BD242C | TO-220 | 80 | 100 | | 200 μA* 100 | | 10 25 | | 3A 1A | 4 4 | 1.2 | 1.8* | 3A | | 3 | 500 | 420 | 6 | 5/6 | 5E | |
| BD243 | TO-220 | | 45 | | 400 μA* 45 | | 30 15 | | 300 3A | 4 4 | | | | 3 | 500 | | | | | 4A | |
| BD243A | TO-220 | | 60 | | 400 μA* 60 | | 30 15 | | 300 3A | 4 4 | | | | 3 | 500 | | | | | 4A | |
| BD243B | TO-220 | | 80 | | 400 μA* 80 | | 30 15 | | 300 3A | 4 4 | | | | 3 | 500 | | | | | 4A | |
| BD243C | TO-220 | | 100 | | 400 μA* 100 | | 30 15 | | 300 3A | 4 4 | | | | | | | | | | 4A | |
| BD244 | TO-220 | | 45 | | 400 μA* 45 | | 30 15 | | 300 3A | 4 4 | | | | | | | | | | 4A | |
| BD244A | TO-220 | | 60 | | 400 μA* 60 | | 30 15 | | 300 3A | 4 4 | | | | | | | | | | 5A | |
| BD244B | TO-220 | | 80 | | 400 μA* 80 | | 30 15 | | 300 3A | 4 4 | | | | 3 | 500 | | | | | 5A | |
| BD244C | TO-220 | | 100 | | 400 μA* 100 | | 30 15 | | 300 3A | 4 4 | | | | 3 | 500 | | | | | 5A | |
| BD344 | TO-126 | 60 | 60 | 5 | 500 60 | | 60 40 | 50 250 | 1 200 | 1 1 | 0.4 | | 200 | 20 | 50 | 50 | | | | 78 | |