

Transistors, General

| Type | Polarity | Material | P _{tot} Max. (mW) | f _T Typ. (MHz) | Absolute Max. Ratings | | | | h _{FE} | | | T _j Max. (°C) | C _{OB} Max. (pF) | Case Outline | Lead Info. | Manufacturer |
|-----------|----------|----------|----------------------------|---------------------------|-----------------------|----------------------|----------------------|---------------------|-----------------|-------|------|--------------------------|---------------------------|--------------|------------|--------------|
| | | | | | V _{CEO} (V) | V _{CE0} (V) | V _{EB0} (V) | I _C (mA) | Min. | at mA | Max. | | | | | |
| BD190 | PNP | Si | 40W | 2 | -70 | -60 | -5 | 4A | 40 | 500 | 236 | 150 | - | TO-126 | 20 | AEG |
| BD201 | NPN | Si | 60W | 3 | 60 | 45 | 5 | 8A | 30 | 2 | - | 150 | - | TO-220 | 21 | AEG,M,N |
| BD202 | PNP | Si | 60W | 3 | -60 | -45 | -5 | 8A | 30 | 2 | - | 150 | - | TO-220 | 21 | AEG,M,N |
| BD203 | NPN | Si | 60W | 3 | 60 | 60 | 5 | 8A | 30 | 3 | - | 150 | - | TO-220 | 21 | AEG,M |
| BD204 | PNP | Si | 60W | 3 | -60 | -60 | -5 | 8A | 30 | 3 | - | 150 | - | TO-220 | 21 | AEG,M |
| BD215 | NPN | Si | 2.1W | 10 | 300 | 300 | 6 | 500 | 40 | 100 | - | 175 | - | - | 02 | SGS |
| BD216 | NPN | Si | 2.1W | 10 | 300 | 200 | 6 | 1A | 40 | 100 | 150 | 175 | - | - | 02 | SGS |
| BD226 | NPN | Si | 12.5W | 125 | 45 | 45 | 5 | 1.5A | 40 | 150 | 250 | 150 | - | TO-126 | 20 | M |
| BD227 | PNP | Si | 12.5W | 50 | -45 | -45 | -5 | 1.5A | 40 | 150 | 250 | 150 | - | TO-126 | 20 | M |
| BD228 | NPN | Si | 12.5W | 125 | 60 | 60 | 5 | 1.5A | 40 | 150 | 160 | 150 | - | TO-126 | 20 | M |
| BD229 | PNP | Si | 12.5W | 50 | -60 | -60 | -5 | 1.5A | 40 | 150 | 160 | 150 | - | TO-126 | 20 | M |
| BD230 | NPN | Si | 12.5W | 125 | 100 | 80 | 5 | 1.5A | 40 | 150 | 160 | 150 | - | TO-126 | 20 | M |
| BD231 | PNP | Si | 12.5W | 50 | -100 | -80 | -5 | 1.5A | 40 | 150 | 160 | 150 | - | TO-126 | 20 | M |
| BD232 | NPN | Si | 15W | 20 | 500 | 300 | 5 | 250 | 25 | 50 | 150 | 125 | - | TO-126 | 20 | M |
| BD233 | NPN | Si | 25W | 3 | 45 | 45 | 5 | 2A | 40 | 150 | - | 150 | - | TO-126 | 20 | AEG,M,N,SGS |
| BD234 | PNP | Si | 25W | 3 | -45 | -45 | -5 | 2A | 40 | 150 | - | 150 | - | TO-126 | 20 | AEG,M,N |
| BD235 | NPN | Si | 25W | 3 | 60 | 60 | 5 | 2A | 40 | 150 | - | 150 | - | TO-126 | 20 | AEG,M,N,SGS |
| BD236 | PNP | Si | 25W | 3 | -60 | -60 | -5 | 2A | 40 | 150 | - | 150 | - | TO-126 | 20 | AEG,M,N |
| BD237 | NPN | Si | 25W | 3 | 80 | 80 | 5 | 2A | 40 | 150 | - | 150 | - | TO-126 | 20 | AEG,M,N,SGS |
| BD238 | PNP | Si | 25W | 3 | 55 | 45 | 5 | 4A | 40 | 200 | - | 150 | - | TO-220 | 21 | Fe,N,RCA,TI |
| BD239 | NPN | Si | 30W | 3 | 55 | 45 | 5 | 4A | 40 | 200 | - | 150 | - | TO-220 | 21 | Fe,N,RCA,TI |
| BD239A | NPN | Si | 30W | 3 | 70 | 60 | 5 | 4A | 40 | 200 | - | 150 | - | TO-220 | 21 | Fe,N,RCA,TI |
| BD239B | NPN | Si | 30W | 3 | 90 | 80 | 5 | 4A | 40 | 200 | - | 150 | - | TO-220 | 21 | Fe,N,RCA,TI |
| BD239C | NPN | Si | 30W | 3 | 115 | 100 | 5 | 4A | 40 | 200 | - | 150 | - | TO-220 | 21 | Fe,N,RCA,TI |
| BD240 | PNP | Si | 30W | 3 | -55 | -45 | -5 | 4A | 40 | 200 | - | 150 | - | TO-220 | 21 | Fe,N,RCA,TI |
| BD240A | PNP | Si | 30W | 3 | -70 | -60 | -5 | 4A | 40 | 200 | - | 150 | - | TO-220 | 21 | Fe,N,RCA,TI |
| BD240B | PNP | Si | 30W | 3 | -90 | -80 | -5 | 4A | 40 | 200 | - | 150 | - | TO-220 | 21 | Fe,N,RCA,TI |
| BD240C | PNP | Si | 30W | 3 | -115 | -100 | -5 | 4A | 40 | 200 | - | 150 | - | TO-220 | 21 | Fe,N,RCA,TI |
| BD241 | NPN | Si | 40W | 3 | 55 | 45 | 5 | 5A | 25 | 1A | - | 150 | - | TO-220 | 21 | Fe,N,RCA,TI |
| BD241A | NPN | Si | 40W | 3 | 70 | 60 | 5 | 5A | 25 | 1A | - | 150 | - | TO-220 | 21 | Fe,N,RCA,TI |
| BD241B | NPN | Si | 40W | 3 | 90 | 80 | 5 | 5A | 25 | 1A | - | 150 | - | TO-220 | 21 | Fe,N,RCA,TI |
| BD241C | NPN | Si | 40W | 3 | 115 | 100 | 5 | 5A | 25 | 1A | - | 150 | - | TO-220 | 21 | Fe,N,RCA,TI |
| BD242 | PNP | Si | 40W | 3 | -55 | -45 | -5 | 5A | 25 | 1A | - | 150 | - | TO-220 | 21 | Fe,N,RCA,TI |
| BD242A | PNP | Si | 40W | 3 | -70 | -60 | -5 | 5A | 25 | 1A | - | 150 | - | TO-220 | 21 | Fe,N,RCA,TI |
| BD242B | PNP | Si | 40W | 3 | -90 | -80 | -5 | 5A | 25 | 1A | - | 150 | - | TO-220 | 21 | Fe,N,RCA,TI |
| BD242C | PNP | Si | 40W | 3 | -115 | -100 | -5 | 5A | 25 | 1A | - | 150 | - | TO-220 | 21 | Fe,N,RCA,TI |
| BD243 | NPN | Si | 65W | 3 | 55 | 45 | 5 | 6.5A | 30 | 300 | - | 150 | - | TO-220 | 21 | Fe,RCA,TI |
| BD243A | NPN | Si | 65W | 3 | 70 | 60 | 5 | 6.5A | 30 | 300 | - | 150 | - | TO-220 | 21 | Fe,RCA,TI |
| BD243B | NPN | Si | 65W | 3 | 90 | 80 | 5 | 6.5A | 30 | 300 | - | 150 | - | TO-220 | 21 | Fe,RCA,TI |
| BD243C | NPN | Si | 65W | 3 | 115 | 100 | 5 | 6.5A | 30 | 300 | - | 150 | - | TO-220 | 21 | Fe,RCA,TI |
| BD244 | PNP | Si | 65W | 3 | -55 | -45 | -5 | 6.5A | 30 | 300 | - | 150 | - | TO-220 | 21 | Fe,RCA,TI |
| BD244A | PNP | Si | 65W | 3 | -70 | -60 | -5 | 6.5A | 30 | 300 | - | 150 | - | TO-220 | 21 | Fe,RCA,TI |
| BD244B | PNP | Si | 65W | 3 | -90 | -80 | -5 | 6.5A | 30 | 300 | - | 150 | - | TO-220 | 21 | Fe,RCA,TI |
| BD244C | PNP | Si | 65W | 3 | -115 | -100 | -5 | 6.5A | 30 | 300 | - | 150 | - | TO-220 | 21 | Fe,RCA,TI |
| BD277 | PNP | Si | 70W | 10 | -45 | -45 | -4 | 7A | 30 | 1.75A | 150 | 150 | - | TO-220 | 22 | RCA |
| BD278 | NPN | Si | 75W | 0.8 | 55 | 45 | 5 | 10A | 15 | 4A | 75 | 150 | - | TO-220 | 21 | RCA |
| BD278A | NPN | Si | 75W | 0.8 | 55 | 45 | 5 | 10A | 30 | 2A | - | 150 | - | TO-220 | 21 | RCA |
| BD281 | NPN | Si | 36W | 3 | 22 | 22 | 5 | 4A | 85 | 500 | 350 | 150 | - | TO-126 | 20 | SGS |
| BD283 | NPN | Si | 36W | 3 | 32 | 32 | 5 | 4A | 85 | 500 | 350 | 150 | - | TO-126 | 20 | SGS |
| BD285 | NPN | Si | 36W | 3 | 45 | 45 | 5 | 4A | 20 | 3A | - | 150 | - | TO-126 | 20 | SGS |
| BD370A | PNP | Si | 40W | 50 | -80 | -45 | - | 1A | 40 | 100 | 400 | 150 | 30 | TO-92+ | 13 | N |
| BD370A-10 | PNP | Si | 40W | 50 | -80 | -45 | - | 1A | 63 | 100 | 160 | 150 | 30 | TO-92+ | 13 | N |
| BD370A-16 | PNP | Si | 40W | 50 | -80 | -45 | - | 1A | 100 | 100 | 250 | 150 | 30 | TO-92+ | 13 | N |
| BD370A-25 | PNP | Si | 40W | 50 | -80 | -45 | - | 1A | 160 | 100 | 400 | 150 | 30 | TO-92+ | 13 | N |
| BD370B | PNP | Si | 40W | 50 | -80 | -60 | - | 1A | 40 | 100 | 400 | 150 | 30 | TO-92+ | 13 | N |
| BD370B-10 | PNP | Si | 40W | 50 | -80 | -60 | - | 1A | 63 | 100 | 160 | 150 | 30 | TO-92+ | 13 | N |
| BD370B-16 | PNP | Si | 40W | 50 | -80 | -60 | - | 1A | 100 | 100 | 250 | 150 | 30 | TO-92+ | 13 | N |
| BD370B-25 | PNP | Si | 40W | 50 | -80 | -60 | - | 1A | 160 | 100 | 400 | 150 | 30 | TO-92+ | 13 | N |
| BD370C | PNP | Si | 40W | 50 | -80 | -80 | - | 1A | 40 | 100 | 400 | 150 | 30 | TO-92+ | 13 | N |
| BD370C-6 | PNP | Si | 40W | 50 | -80 | -80 | - | 1A | 40 | 100 | 100 | 150 | 30 | TO-92+ | 13 | N |
| BD370C-10 | PNP | Si | 40W | 50 | -80 | -80 | - | 1A | 63 | 100 | 160 | 150 | 30 | TO-92+ | 13 | N |
| BD370C-16 | PNP | Si | 40W | 50 | -80 | -80 | - | 1A | 100 | 100 | 250 | 150 | 30 | TO-92+ | 13 | N |
| BD370D | PNP | Si | 40W | 50 | -80 | -100 | - | 1A | 40 | 100 | 40 | 150 | 30 | TO-92+ | 13 | N |
| BD370D-6 | PNP | Si | 40W | 50 | -80 | -100 | - | 1A | 40 | 100 | 100 | 150 | 30 | TO-92+ | 13 | N |
| BD370D-10 | PNP | Si | 40W | 50 | -80 | -100 | - | 1A | 63 | 100 | 160 | 150 | 30 | TO-92+ | 13 | N |
| BD371A | NPN | Si | 40W | 50 | 80 | 45 | - | 1A | 40 | 100 | 400 | 150 | 30 | TO-92+ | 13 | N |
| BD371A-10 | NPN | Si | 40W | 50 | 80 | 45 | - | 1A | 63 | 100 | 160 | 150 | 30 | TO-92+ | 13 | N |
| BD371A-16 | NPN | Si | 40W | 50 | 80 | 45 | - | 1A | 100 | 100 | 250 | 150 | 30 | TO-92+ | 13 | N |
| BD371A-25 | NPN | Si | 40W | 50 | 80 | 45 | - | 1A | 160 | 100 | 400 | 150 | 30 | TO-92+ | 13 | N |
| BD371B | NPN | Si | 40W | 50 | 80 | 60 | - | 1A | 40 | 100 | 400 | 150 | 30 | TO-92+ | 13 | N |