

2N3019, 2N3019S, 2N3700

80V, 1A NPN Small Signal Transistor

Features

- MIL-PRF-19500/391 Qualified
- Available as JAN, JANTX, and JANTXV

MAXIMUM RATINGS ($T_A = 25^\circ\text{C}$ unless otherwise noted)

| Characteristic | Symbol | Value | Unit |
|--|----------------|------------|------------------|
| Collector Emitter Voltage | V_{CEO} | 80 | Vdc |
| Collector Base Voltage | V_{CBO} | 140 | Vdc |
| Emitter Base Voltage | V_{EBO} | 7.0 | Vdc |
| Collector Current Continuous | I_C | 1.0 | Adc |
| Total Device Dissipation @ $T_A = 25^\circ\text{C}$ 2N3019, 2N3019S 2N3700 | P_T | 800 500 | mW |
| Total Device Dissipation @ $T_C = 25^\circ\text{C}$ 2N3019, 2N3019S 2N3700 | P_T | 5.0 1.0 | W |
| Operating and Storage Junction Temperature Range | T_J, T_{stg} | 65 to +200 | $^\circ\text{C}$ |

THERMAL CHARACTERISTICS

TO-5 3-Lead
CASE 205AA
ISSUE B

DATE 06 JUL 2012

SCALE 1:1



STYLE 1:
PIN 1. EMITTERPIN 1.SCALE:TT2 1 T8W 1396 468.323ER

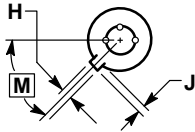
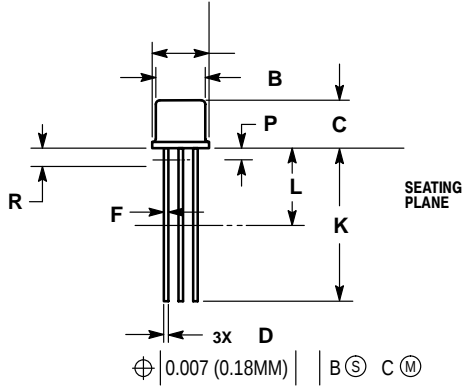
ON S



TO-39 3-Lead
CASE 205AB
ISSUE A

DATE 25 JUN 2012

SCALE 1:1

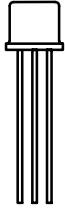


STYLE 1:
PIN 1. EMITTER
2. BASE
3. COLLECTOR

TO-18
CASE 206AA
ISSUE A

DATE 21 AUG 2012

SCALE 1:1



LE 1:
IN 1. EMI E
2. BA E
3. C LLEC

LE 4:
IN 1. CE
2. D AIN
3. GA E & CA E

LE 7:
IN 1. AN DE
2. BA E
3. CA H DE

LE 10:
IN 1. BA E
2. EMI E
3. BA E

LE 2:
IN 1. CE, B A E
& CA E
2. GA E
3. 7:3H0: E

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