

Micro Commercial Components



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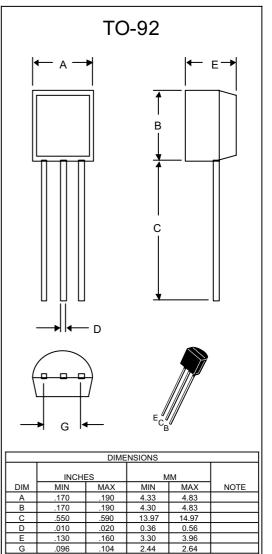
Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information) Capable of 1.0Watts of Power Dissipation.
- Collector-current 1.5A .
- Collector-base Voltage 700V
- Operating and storage junction temperature range: $-55^{\circ}C$ to $+150^{\circ}C$
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Marking:3DD13003

Electrical Characteristics @ 25°C Unless Otherwise Specified Min Max Units Symbol Parameter **OFF CHARACTERISTICS** Collector-Emitter Breakdown Voltage 400 Vdc V_{(BR)CEO} (L=10mAdc, IB=0) V_{(BR)CBO} Collector-Base Breakdown Voltage 700 Vdc (l_c=1000uAdc, l_E=0) Emitter-Base Breakdown Voltage 9.0 V_{(BR)EBO} Vdc (E=1000uAdc, Ic=0) Collector Cutoff Current 1000 uAdc сво (V_{CB}=700Vdc, I_E=0) 500 beo Collector Cutoff Current uAdc (V_{CE}=400Vdc,I_B=0) Emitter Cutoff Current 100 uAdc **І**ЕВО $(V_{EB}=7.0Vdc, I_{C}=0)$ **ON CHARACTERISTICS** h_{FE} DC Current Gain 40 (b=0.4Adc, V_{CE}=10Vdc) 20 V_{CE(sat)} Collector-Emitter Saturation Voltage $(I_{C}=500 \text{ mAdc}, I_{B}=100 \text{ mAdc})$ 0.8 Vdc V_{CE(sat)} Collector-Emitter Saturation Voltage (L=1500mAdc, I_B=500mAdc) 3.0 Vdc Base-Emitter Saturation Voltage V_{BE(sat)} $(I_c=500 \text{ mAdc}, I_B=100 \text{ mAdc})$ 1.0 Vdc

MJE13003B

NPN Silicon Plastic-Encapsulate Transistor



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Ordering Information :

Device	Packing
Part Number-AP	Ammo Packing: 2Kpcs/Ammo Box
Part Number-BP	Bulk: 100Kpcs/Carton

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