

Features

- High DC Current Gain
- Halogen Free. "Green" Device (Note 1) •
- Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating •
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

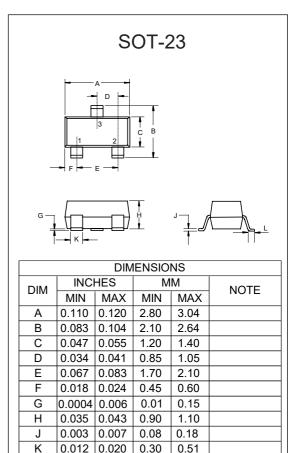
Maximum Ratings @ 25°C Unless Otherwise Specified

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance: 625°C/W Junction to Ambient

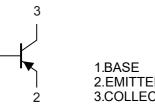
Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V _{CBO}	-60	V
Collector-Emitter Voltage	V _{CEO}	-50	V
Emitter-Base Voltage	V _{EBO}	-5	V
Continuous Collector Current	I _C	-100	mA
Power Dissipation	P _D	200	mW

Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

PNP Silicon Epitaxial Transistors



Internal Structure



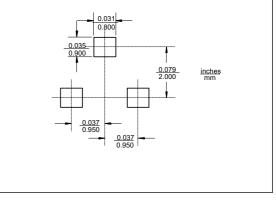
2.EMITTER **3.COLLECTOR**

Suggested Solder Pad Layout

0.50

0.007 0.020 0.20

L





Electrical Characteristics @ $T_A \!\!=\! 25^\circ C$ Unless Otherwise Specified

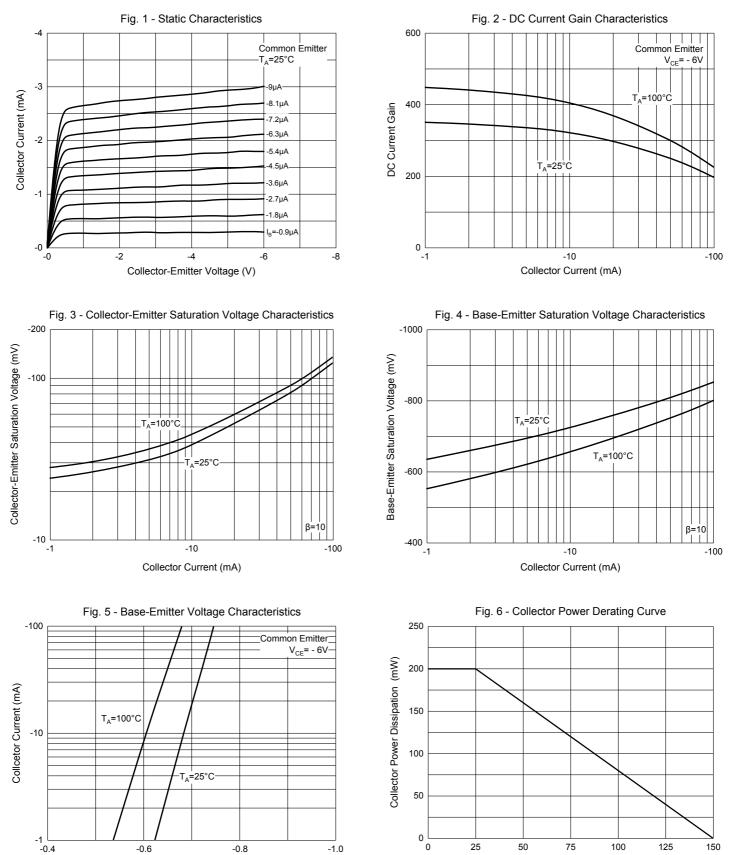
Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Cutoff Current	I _{CBO}			-0.1	μA	V _{CB} =-60V, I _E =0
Emitter-Base Cutoff Current	I _{EBO}			-0.1	μA	V _{EB} =-5V, I _C =0
DC Current Gain	h _{FE}	90		600		V _{CE} =-6V, I _C =-1mA
Collector-Emitter Saturation Voltage	V _{CE(sat)}			-0.3	V	I _C =-100mA, I _B =-10mA
Base-Emitter Voltage	V _{BE}			-0.68	V	V _{CE} =-6V, I _C =-1mA
Transition Frequency	f _T	180			MHz	V_{CE} =-6V,I _C =-10mA

Classification of \mathbf{h}_{FE}

Rank	M4	M5	M6	M7
Range	90-180	135-270	200-400	300-600
Marking	M4	M5	M6	M7



Curve Characteristics



Ambient Temperature (°C)



Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

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