

Features

- 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)

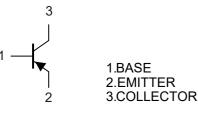
Maximum Ratings @ 25°C Unless Otherwise Specified

- 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

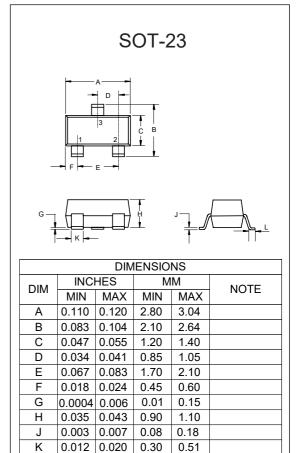
Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V _{CBO}	-40	V
Collector-Emitter Voltage	V _{CEO}	-32	V
Emitter-Base Voltage	V _{EBO}	-5	V
Continuous Collector Current	Ι _C	-800	mA
Power Dissipation	PD	200	mW

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

Internal Structure



PNP Silicon Epitaxial Transistors

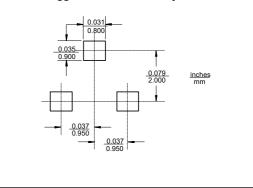


Suggested Solder Pad Layout

0.50

0.007 0.020 0.20

L





Electrical Characteristics @ $\rm T_A=25\,^{\circ}C$ Unless Otherwise Specified

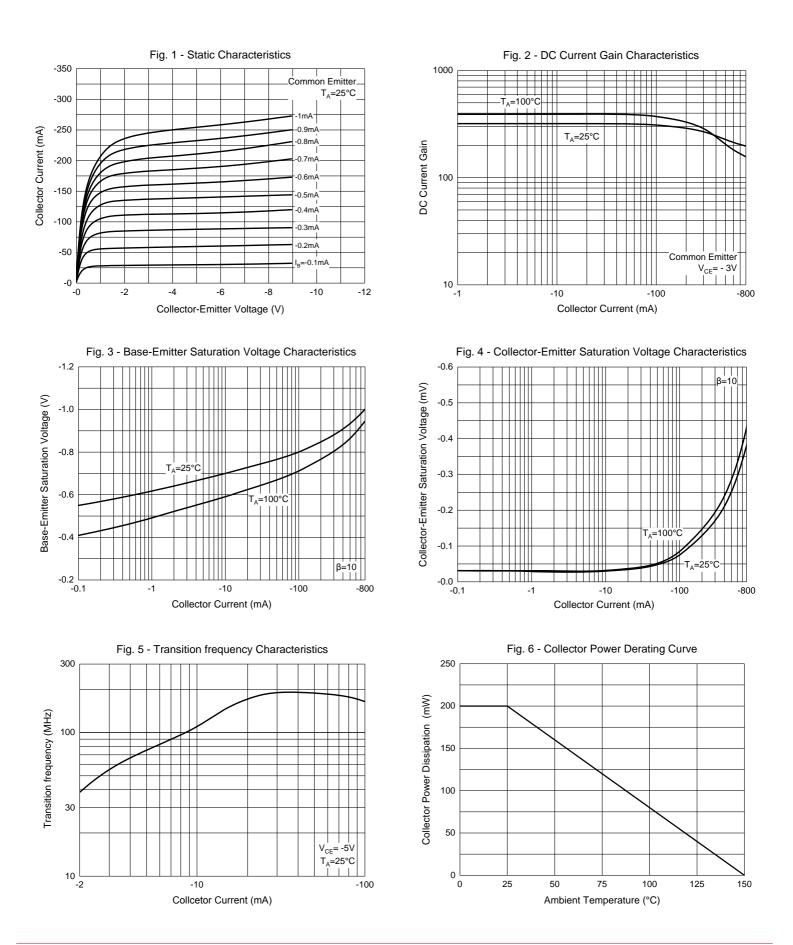
Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Breakdown Voltage	V _{(BR)CBO}	-40			V	Ι _C =-50μΑ, Ι _E =0
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	-32			V	I _C =-1mA, I _B =0
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	-5			V	Ι _E =-50μΑ, Ι _C =0
Collector-Base Cutoff Current	I _{CBO}			-0.5	μA	V _{CB} =-20V, I _E =0
Emitter-Base Cutoff Current	I _{EBO}			-0.5	μA	V_{EB} =-4V, I _C =0
DC Current Gain	h _{FE}	82		390		V _{CE} =-3V, I _C =-100mA
Collector-Emitter Saturation Voltage	V _{CE(sat)}			-0.5	V	I _C =-500mA, I _B =-50mA
Transition Frequency	f _T	50			MHz	V _{CE} =-5V,I _C =-50mA,f=100MHz

Classification of h_{FE}

Rank	Р	Q	R
Range	82-180	120-270	180-390
Marking	AHP	AHQ	AHR



Curve Characteristics





Ordering Information

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

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