

Features

- Epitaxial Planar Die Construction
- Built-In Biasing Resistors
- 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)



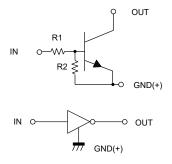
Maximum Ratings @ 25°C Unless Otherwise Specified

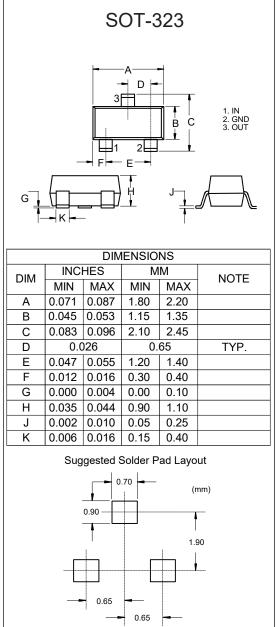
Parameter	Symbol	Min	Тур	Max	Unit
Supply Voltage	V _{cc}		50		V
Input Voltage	V _{IN}	-5		30	V
Collector Current	Ι _C		100		mA
Power Dissipation	PD		200		mW
Junction Temperature	TJ			150	°C
Storage Temperature	T _{stg}	-55		150	°C

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

Device Marking: E23

Internal Structure







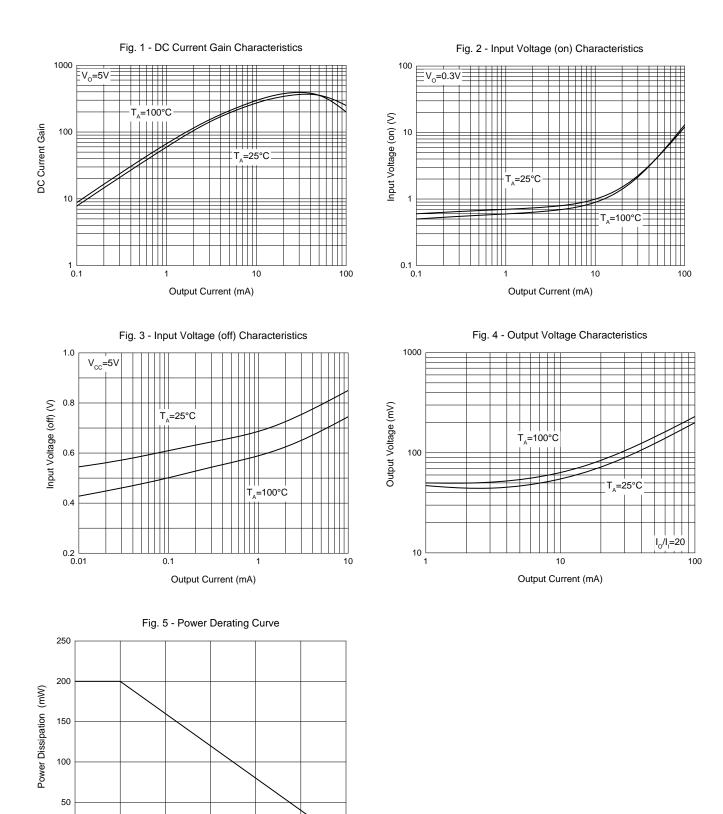
Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Symbol	Min	Тур	Max	Unit	Conditions
Input Voltage	V _{I(off)}	0.5			V	V _{CC} =5V, I _O =100µA
	V _{I(on)}			1.3	V	V ₀ =0.3V, I ₀ =5mA
Output Voltage	V _{O(on)}		0.1	0.3	V	I _O =5mA,I _I =0.25mA
Input Current	I _I			1.8	mA	V _I =5V
Output Current	I _{O(off)}			0.5	μA	V _{CC} =50V, V _I =0
DC Current Gain	GI	80				V _o =5V, I _o =10mA
Input Resistance	R ₁	3.29	4.7	6.11	KΩ	
Resistance Ratio	R ₂ /R ₁	8	10	12		
Transition Frequency	f _T		250		MHz	V _{CE} =10V, I _E =-5mA, f=100MHz





Curve Characteristics



0 L 0

25

50

75

Ambient Temperature (°C)

100

125

150



Ordering Information

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

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