

Features

- Built-In Bias Resistors Enable the Configuration of an Inverter Circuit Without Connecting External Input Resistors
- The Bias Resistors Consist of Thin-Film Resistors With Complete Isolation to Allow Negative Biasing of the Input. They Also Have the Advantage of Almost Completely Eliminating Parasitic Effects
- Only the On/Off Conditions Need to Be Set For Operation, Making Device Design Easy
- 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)

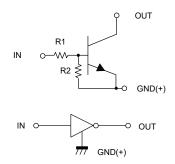
Maximum Ratings @ 25°C Unless Otherwise Specified

Parameter	Symbol	Min	Тур	Мах	Unit
Supply Voltage	V _{cc}		50		V
Input Voltage	V _{IN}	-10		40	V
Output Current	I _o		100		mA
Power Dissipation	P _D		200		mW
Junction Temperature	TJ			150	°C
Storage Temperature	T _{stg}	-55		150	°C

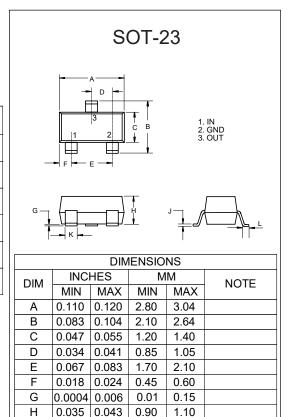
Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

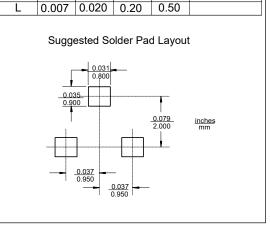
Device Marking: 26

Internal Structure









0.08

0.30

0.18

0.51

0.003

0.012

J

Κ

0.007

0.020



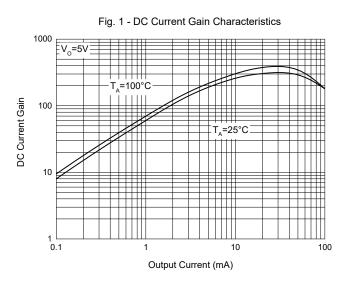
Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Symbol	Min	Тур	Max	Unit	Conditions
Input Valtage	V _{I(off)}	0.5			V	V _{CC} =5V, I _O =100µA
Input Voltage	V _{I(on)}			3.0	V	V ₀ =0.3V, I ₀ =2mA
Output Voltage	V _{O(on)}			0.3	V	I _O =10mA,I _I =0.5mA
Input Current	I,			0.18	mA	V _I =5V
Output Current	I _{O(off)}			0.5	μA	V _{CC} =50V, V _I =0
DC Current Gain	Gı	68				V _o =5V, I _o =5mA
Input Resistance	R ₁	32.9	47	61.1	KΩ	
Resistance Ratio	R ₂ /R ₁	0.8	1.0	1.2		
Transition Frequency	f _T		250		MHz	V _{CE} =10V, I _E =-5mA, f=100MHz





Curve Characteristics



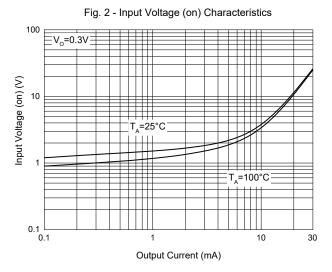
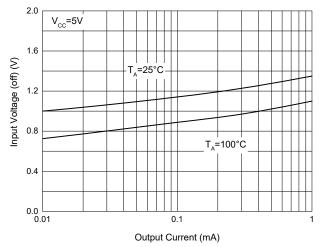


Fig. 3 - Input Voltage (off) Characteristics





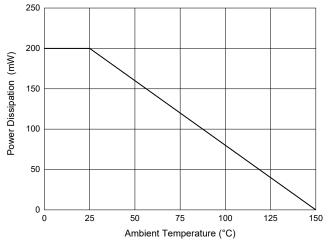
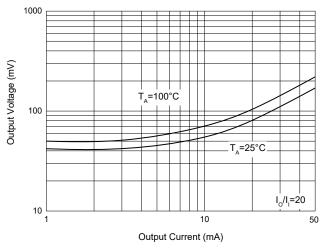


Fig. 4 - Output Voltage Characteristics





Ordering Information

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

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