

Features

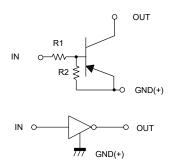
- Built-In Bias Resistors Enable the Configuration of an Inverter Circuit Without Connecting External Input Resistors
- The Bias Resistors Consist of Thin-Film Resistors With Complete Isolation to Allow Negative Biasing of the Input. They Also Have the Advantage of Almost Completely Eliminating Parasitic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

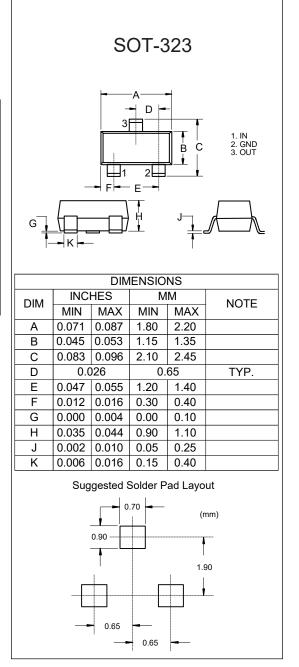
Parameter	Symbol	Min	Тур	Max	Unit
Supply Voltage	V _{CC}		-50		V
Input Voltage	V _{IN}	-12		5	V
Output Current	Ι _ο		-100		mA
Output Current	I _{C(Max)}		-100		mA
Power Dissipation	P _D		200		mW
Junction Temperature	TJ		150		°C
Storage Temperature	T _{stg}	-55		150	°C

Device Marking: 132

Internal Structure



PNP Digital Transistor



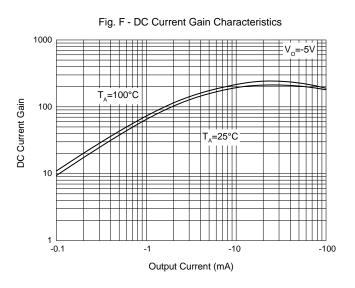


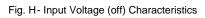
Electrical Characteristics @ 25°C Unless Otherwise Specified

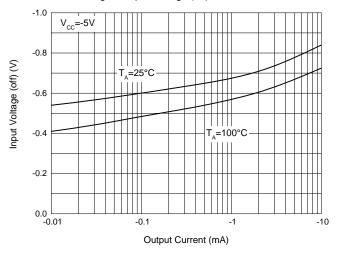
Parameter	Symbol	Min	Тур	Max	Unit	Conditions
Input Voltage	V _{I(off)}	-0.5			V	V _{CC} =-5V, I _O =-100µA
	V _{I(on)}			-1.1	V	V _o =-0.3V, I _o =-5mA
Output Voltage	V _{O(on)}			-0.3	V	I _o =-5mA,I _I =-0.25mA
Input Current	I _I			-3.6	mA	V _I =-5V
Output Current	I _{O(off)}			-0.5	μA	V _{CC} =-50V, V _I =0
DC Current Gain	Gı	80				V _o =-5V, I _o =-10mA
Input Resistance	R ₁	1.54	2.2	2.86	KΩ	
Resistance Ratio	R ₂ /R ₁	17	21	26		
Transition Frequency	f _T		250		MHz	V _{CE} =-10V, I _E =5mA, f=100MHz

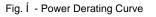


Curve Characteristics









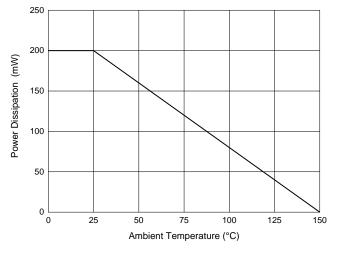


Fig. G- Input Voltage (on) Characteristics

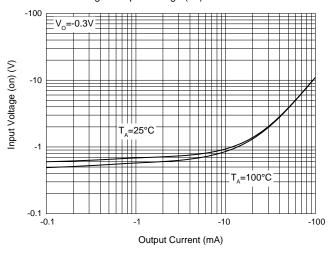
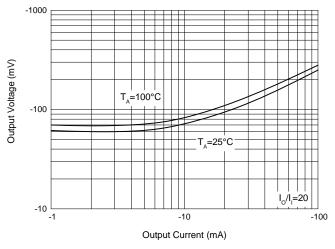


Fig. I - Output Voltage Characteristics





Ordering Information

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

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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