

### Features

- Built-In Bias Resistors Enable the Configuration of an Inverter Circuit Without Connecting External Input 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)

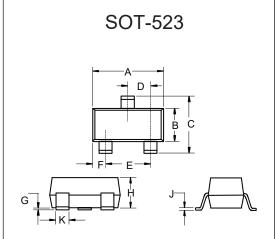


# Maximum Ratings @ 25°C Unless Otherwise Specified

•	Thermal	Resistance:	833°C/W	Junction	to Ambient
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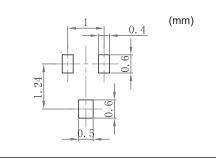
Parameter	Symbol	Value	Unit
Supply Voltage	V <sub>cc</sub>	-50	V
Input Voltage	V <sub>IN</sub>	-10~+5	V
Output Current	Ι <sub>ο</sub>	-100	mA
Power Dissipation	P <sub>D</sub>	150	mW
Junction Temperature	TJ	150	°C
Storage Temperature	T <sub>stg</sub>	-55~+150	°C

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

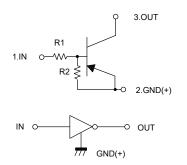


	DIMENSIONS						
DIM	INCHES		М	М	NOTE		
DIIVI	MIN	MAX	MIN	MAX	NOTE		
Α	0.059	0.067	1.50	1.70			
В	0.030	0.033	0.75	0.85			
С	0.057	0.069	1.45	1.75			
D	0.020		0.50		TYP.		
E	0.035	0.043	0.90	1.10			
G	0.000	0.004	0.00	0.10			
Н	0.024	0.031	0.60	0.80			
J	0.004	0.008	0.10	0.20			
K	0.006	0.014	0.15	0.35			

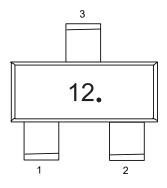
#### Suggested Solder Pad Layout



### Internal Structure



#### Device Marking



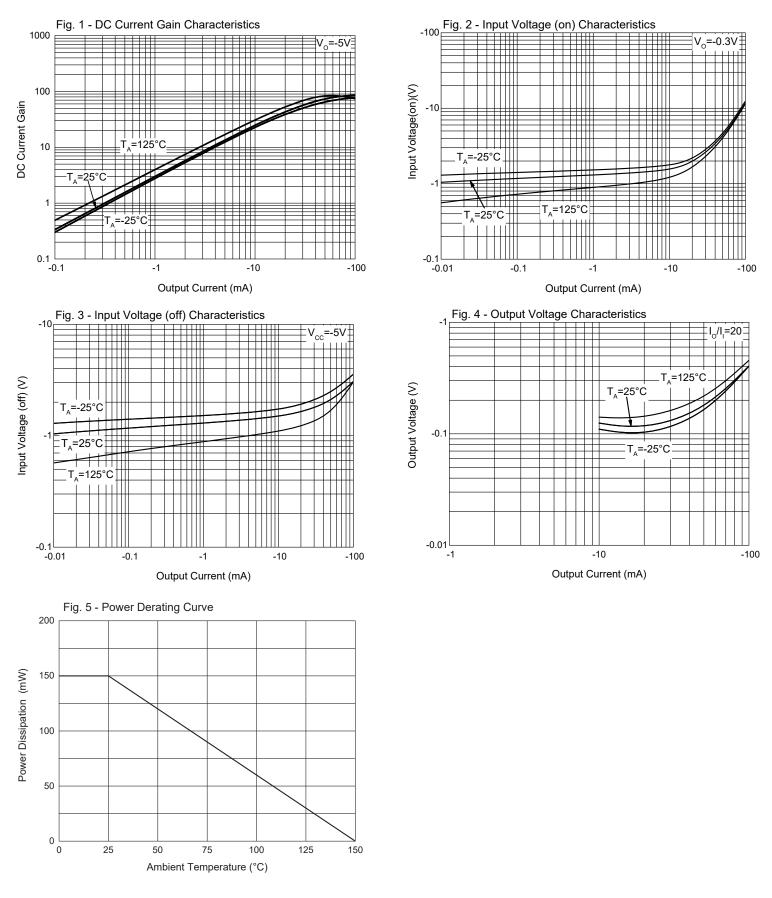


# Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Symbol	Min	Тур	Мах	Unit	Conditions
	V <sub>I(off)</sub>	-0.5			V	V <sub>CC</sub> =-5V, I <sub>O</sub> =-100µA
Input Voltage	V <sub>I(on)</sub>			-3.0	V	V <sub>o</sub> =-0.3V, I <sub>o</sub> =-20mA
Output Voltage	V <sub>O(on)</sub>			-0.3	V	I <sub>o</sub> =-10mA,I <sub>I</sub> =-0.5mA
Input Current	I <sub>I</sub>			-3.8	mA	V <sub>I</sub> =-5V
Output Current	I <sub>O(off)</sub>			-0.5	μA	V <sub>CC</sub> =-50V, V <sub>I</sub> =0
DC Current Gain	GI	20				V <sub>0</sub> =-5V, I <sub>0</sub> =-20mA
Input Resistance	R <sub>1</sub>	1.54	2.2	2.86	KΩ	
Resistance Ratio	R <sub>2</sub> /R <sub>1</sub>	0.8	1.0	1.2		



### **Curve Characteristics**





## **Ordering Information**

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

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