

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)

PNP Digital Transistor

Maximum Ratings @ 25°C Unless Otherwise Specified

• Thermal Resistance: 1250°C/W Junction to Ambient

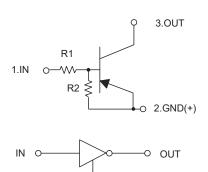
Parameter	Symbol	Value	Unit
Supply Voltage	V _{CC}	-50	V
Input Voltage	V _{IN}	-40~+10	V
Output Current	Io	-100	mA
Power Dissipation	P _D	100	mW
Junction Temperature	TJ	150	°C
Storage Temperature	T _{stg}	-55~+150	°C

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

SOT-723

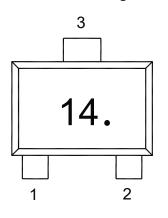
DIMENSIONS						
DIM INCHES		HES	М	M	NOTE	
ווועו	MIN	MAX	MIN MAX		INOIL	
Α	0.043	0.051	1.10	1.30		
В	0.043	0.051	1.10	1.30		
С	0.028	0.035	0.70	0.90		
D	0.031		0.80		TYP.	
Е	0.009	0.017	0.22	0.42		
F	0.005	0.013	0.12	0.32		
G	0.000	0.002	0.00	0.05		
Н	0.017	0.021	0.43	0.54		
J	0.003	0.006	0.08	0.15	·	

Internal Structure

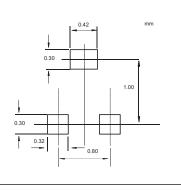


777 GND(+)

Device Marking



Suggested Solder Pad Layout



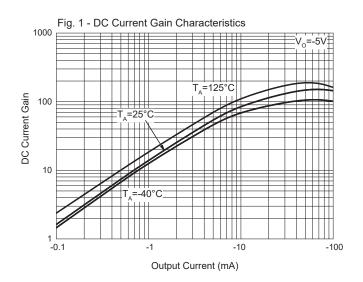


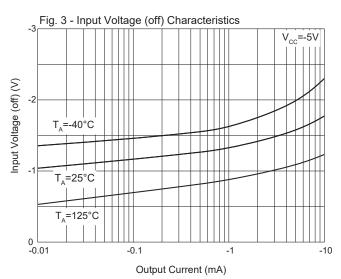
Electrical Characteristics @ 25°C Unless Otherwise Specified

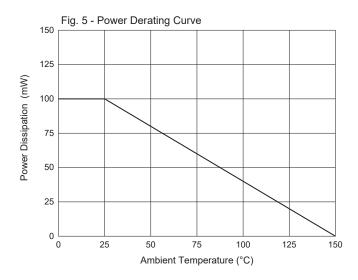
Parameter	Symbol	Min	Тур	Max	Unit	Conditions
Input Voltage	$V_{I(off)}$	-0.5			V	V _{CC} =-5V, I _O =-100μA
	V _{I(on)}			-3	V	V _O =-0.3V, I _O =-10mA
Output Voltage	V _{O(on)}			-0.3	V	I _O =-10mA,I _I =-0.5mA
Input Current	I _I			-0.88	mA	V _I =-5V
Output Current	I _{O(off)}			-0.5	μA	V _{CC} =-50V, V _I =0
DC Current Gain	Gı	30				V_O =-5V, I_O =-5mA
Input Resistance	R ₁	7	10	13	ΚΩ	
Resistance Ratio	R ₂ /R ₁	8.0	1.0	1.2		
Transition Frequency	f _T		250		MHz	V _O =-10V, I _O =-5mA, f=100MHz

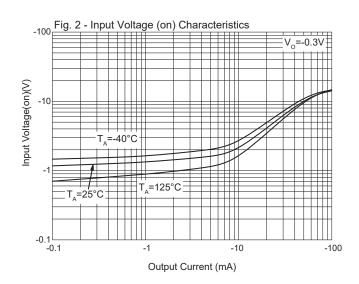


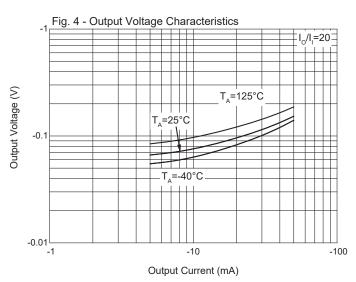
Curve Characteristics













Ordering Information

Device	Packing	
Part Number-TP	Tape&Reel:8Kpcs/Reel	

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