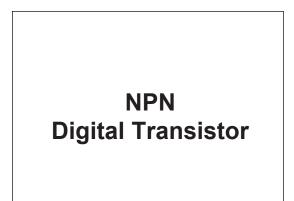


Features

- 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)



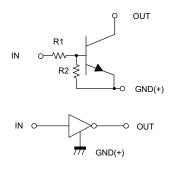
Maximum Ratings @ 25°C Unless Otherwise Specified

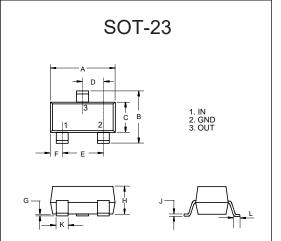
				-	
Parameter	Symbol	Min	Тур	Мах	Unit
Supply Voltage	V _{cc}		50		V
Input Voltage	V _{IN}	-5		+12	V
Output current	I _o		100		mA
Power Dissipation	P _D		200		mW
Junction Temperature	TJ			150	°C
Storage Temperature	T _{stg}	-55		150	°C

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: 62

Internal Structure





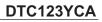
DIMENSIONS						
DIM	INCHES		M	М	NOTE	
Divi	MIN	MAX	MIN	MAX	NOTE	
Α	0.110	0.120	2.80	3.04		
В	0.083	0.104	2.10	2.64		
С	0.047	0.055	1.20	1.40		
D	0.034	0.041	0.85	1.05		
E	0.067	0.083	1.70	2.10		
F	0.018	0.024	0.45	0.60		
G	0.0004	0.006	0.01	0.15		
Н	0.035	0.043	0.90	1.10		
J	0.003	0.007	0.08	0.18		
K	0.012	0.020	0.30	0.51		
L	0.007	0.020	0.20	0.50		

Suggested Solder Pad Layout



Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Symbol	Min	Тур	Мах	Unit	Conditions
Input Voltage	V _{I(off)}	0.3			V	V _{CC} =5V, I _O =100µA
Input Voltage	V _{I(on)}			3.0	V	V ₀ =0.3V, I ₀ =20mA
Output Voltage	V _{O(on)}		0.1	0.3	V	I _o =10mA,I _I =0.5mA
Input Current	I _I			3.8	mA	V _I =5V
Output Current	I _{O(off)}			0.5	μA	V _{CC} =50V, V _I =0
DC Current Gain	GI	33				V _o =5V, I _o =10mA
Input Resistance	R ₁	1.54	2.2	2.86	KΩ	
Resistance Ratio	R ₂ /R ₁	3.6	4.5	5.5		
Transition Frequency	f _T		250		MHz	V _{CE} =10V, I _E =-5mA, f=100MHz





Curve Characteristics

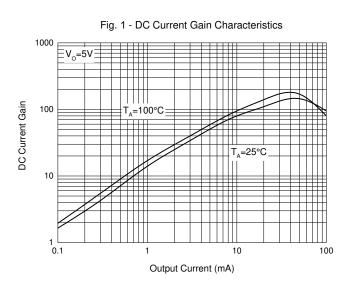
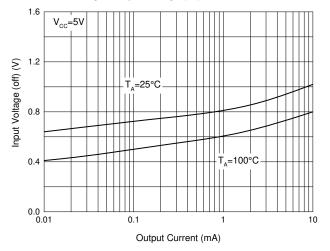


Fig. 2 - Input Voltage (on) Characteristics 100 V_o=0.3V Input Voltage (on) (V) 10 T_A=25°C 1 T_A=100°C 0.1 └-0.1 10 100 1 Output Current (mA)

Fig. 3 - Input Voltage (off) Characteristics





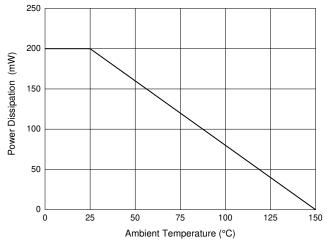
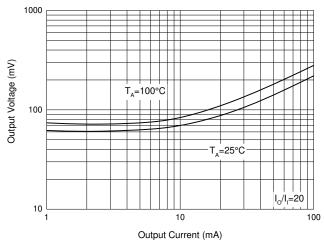


Fig. 4 - Output Voltage Characteristics





Ordering Information

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

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