勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-34970699 胜特力电子(深圳) 86-755-83298787

Http://www.100y.com.tw



Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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DTA124EUA

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- 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

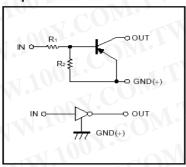
Absolute maximum ratings @ 25° C

Symbol	Parameter	Min	Тур	Max	Unit
V_{cc}	Supply voltage		-50		V
V _{IN}	Input voltage	-40		10	V
I _O	Output current	177	-30 -100		mA
P_d	Power dissipation		200	-	mW
Ţ	Junction temperature	0 1-)	150	($^{\circ}$
T _{stg}	Storage temperature	-55		150	$^{\circ}$

Electrical Characteristics @ 25℃

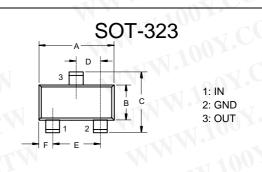
Symbol	Parameter	Min	Тур	Max	Unit
$V_{I(off)}$	Input voltage (V _{CC} =-5V, I _O =-100 μ A)			-0.5	V
$V_{I(on)}$	(V _O =-0.2V, I _O =-5mA)	-3.0	-7		V
V _{O(on)}	Output voltage (I _O /I _I =-10mA/-0.5mA	1/17		-0.3	V
l _l	Input current (V _I =-5V)		- 	-0.36	mA
I _{O(off)}	Output current (V _{CC} =-50V, V _I =0)		17	-0.5	μА
Gı	DC current gain (V _O =-5V, I _O =-5mA)	56		()	1.
R ₁	Input resistance	15.4	22	28.6	ΚΩ
R ₂ /R ₁	Resistance ratio	0.8	1.0	1.2	4 7
fτ	Transition frequency (V _{CE} =-10V, I _E =5mA, f=100MHz)	177	250	140	MHz

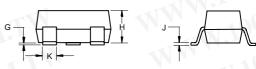
Equivalent circuit



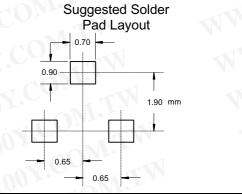
*Marking: 15

PNP Digital Transistors





DIMENSIONS						
	INCHES		М			
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.071	.087	1.80	2.20		
В	.045	.053	1.15	1.35		
С	.079	.087	2.00	2.20	_ 1	
D	.026 N	ominal	0.65Nominal			
E	.047	.055	1.20	1.40		
F	.012	.016	.30	.40	4	
G	.000	.004	.000	.100		
H	.035	.039	.90	1.00		
J	.004	.010	.100	.250		
K	.012	.016	.30	.40		



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Electrical characteristic curves

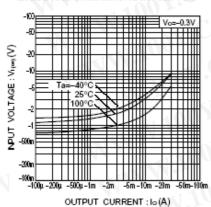


Fig.1 Input voltage vs. output current (ON characteristics)

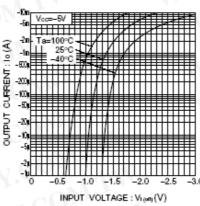


Fig.2 Output current vs. input voltage (OFF characteristics)

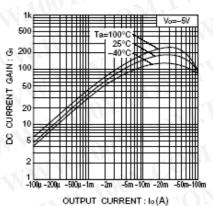


Fig.3 DC current gain vs. output current

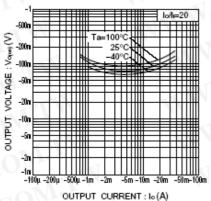


Fig.4 Output voltage vs. output current

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Ordering Information:

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

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