

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 (818) 701-4939 Fax:

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information) Epitaxial Planar Die Construction
- Complementary NPN Types Available
- **Built-In Biasing Resistors** .
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Marking: 64
- Halogen free available upon request by adding suffix "-HF"

Absolute maximum ratings @ 25°C

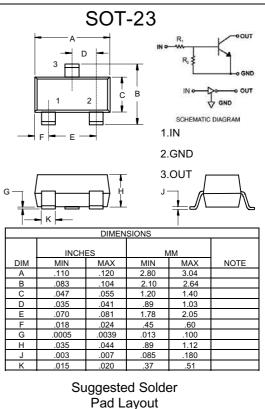
Symbol	Parameter	Min	Тур	Max	Unit
Ι _c	Collector current		100		mA
V _{IN}	Input voltage	-6		+40	V
Pd	Power dissipation		200		mW
Tj	Junction temperature		150		°C
T _{stg}	Storage temperature	-55		150	°C

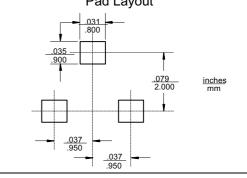
Electrical Characteristics @ 25°C

Symbol	Parameter	Min	Тур	Max	Unit
V _{I(off)}	Input voltage (V _{cc} =5V, I _o =100 µ A)			0.3	V
V _{I(on)}	(V _o =0.3V, I _o =1mA)	1.4			V
V _{O(on)}	Output voltage (I ₀ =5mA,I _i =0.25mA)			0.3	V
I,	Input current (V _I =5V)			0.88	mA
I _{O(off)}	Output current (V _{CC} =50V, V _I =0)			0.5	μA
G	DC current gain (V _o =5V, I _o =5mA)	68			
R ₁	Input resistance	7	10	13	KΩ
R_2/R_1	Resistance ratio	3.7	4.7	5.7	
f⊤	Transition frequency (V _{CE} =10V, I _E =5mA, f=100MHz)		250		MHz

DTC114YCA

Digital Transistors





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Revision: B



Ordering Information :

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

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

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