

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: E21

Absolute maximum ratings @ 25°C

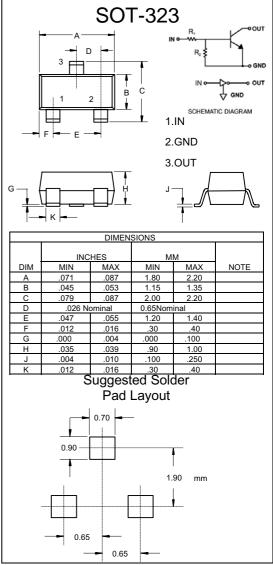
Symbol	Parameter	Min	Тур	Max	Unit
lc	Collector current		100		mA
V _{IN}	Input voltage	-5		+10	V
Pd	Power dissipation		200		mW
Tj	Junction temperature		150		°C
T _{stg}	Storage temperature	-55		150	°C

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 =20mA)	3.0			V
V _{O(on)}	Output voltage (I ₀ =10mA,I _i =0.5mA)			0.3	V
l _i	Input current (V ₁ =5V)			7.2	mA
I _{O(off)}	Output current (V _{CC} =50V, V _I =0)			0.5	μΑ
G	DC current gain (V ₀ =5V, I ₀ =5mA)	33			
R ₁	Input resistance	0.7	1.0	1.3	KΩ
R ₂ /R ₁	Resistance ratio	8	10	12	
f⊤	Transition frequency (V _{CE} =10V, I _E =5mA, f=100MHz)		250		MHz

DTC113ZUA

Digital Transistors



www.mccsemi.com



Ordering Information :

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

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