

Micro Commercial Components

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DTC143ZCA

Features

- Epitaxial Planar Die Construction
- Complementary NPN Types Available
- Built-In Biasing Resistors
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1
- Marking: E23

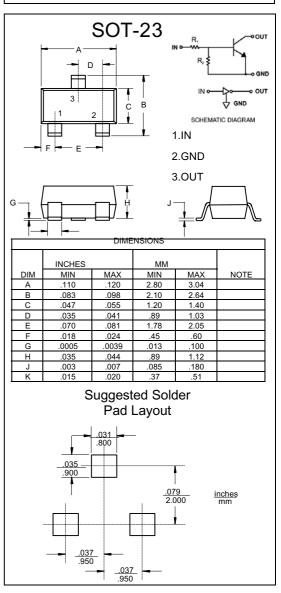
Absolute maximum ratings @ 25° C

Symbol	Parameter	Min	Тур	Max	Unit
lc	Collector current		100		mA
VIN	Input voltage	-5		+30	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)			1.3	V
V _{I(on)}	(V _o =0.3V, I _o =5mA)	0.5			V
V _{O(on)}	Output voltage (I ₀ =5mA,I _i =0.25mA)			0.3	V
I _I	Input current (V _I =5V)			1.8	mA
I _{O(off)}	Output current (V _{cc} =50V, V _I =0)			0.5	μA
Gi	DC current gain (V ₀ =5V, I ₀ =10mA)	80			
R ₁	Input resistance	3.29	4.7	6.11	KΩ
R_2/R_1	Resistance ratio	8	10	12	
f _T	Transition frequency (V _{CE} =10V, I _E =5mA, f=100MHz)		250		MHz

Digital Transistors



www.mccsemi.com



Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel3Kpcs/Reel

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