勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-54151736 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

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Phone: (818) 701-4933 (818) 701-4939 Fax:

MMST4401

Features

Power dissipation: 200mW (T_{amb}=25 °C)

Collector current: 0.6A

Marking: K3X

Operating and Storage junction temperature range

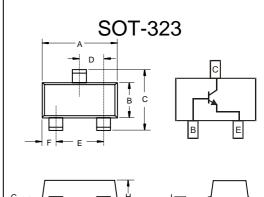
-55°C to + 150°C

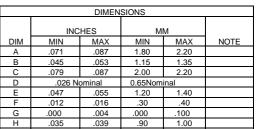
Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1

Electrical Characteristics @ 25°C Unless Otherwise Specified

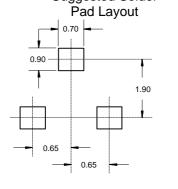
Symbol	Parameter		Min	Max	Units	
OFF CHARACTERISTICS (2)						
$V_{(BR)CEO}$	Collector-Emitte (I _C =1.0mAdc, I	r Breakdown Voltage _B =0)	40		Vdc	
V _{(BR)CBO}	Collector-Base Breakdown Voltage (I _C =100uAdc, I _E =0)		60		Vdc	
$V_{(BR)EBO}$	Collector-Emitter Breakdown Voltage (I _E =100uAdc, I _C =0)		6.0		Vdc	
I _{CBO}	Collector Cutoff Current (V _{CB} =35Vdc, I _E =0Vdc)			0.1	μAdc	
I _{CEO}	Collector Cutoff Current (V _{CE} =35Vdc, I _B =0Vdc)			0.1	μAdc	
I _{EBO}	Emitter Cutoff Current (V _{EB} =5Vdc, I _C =0Vdc)			0.1	μAdc	
h _{FE}	DC Current Gain (I _c =150mAdc, V _{cE} =1.0Vdc) (I _c =500mAdc, V _{cE} =2.0Vdc)		100 40	300		
V _{CE(sat)}	Collector-Emitter Saturation Voltage (I _c =150mAdc, I _B =15mAdc)			0.4	Vdc	
V _{BE(sat)}	Base-Emitter Saturation Voltage (I _C =150mAdc, I _B =15mAdc)			0.95	Vdc	
f⊤	Current Gain-Bandwidth Product (V _{CE} =10Vdc, I _C =20mAdc, f=100MHz)		250		MHz	
C_{ob}	Output Capacitance (V _{CB} =10Vdc, f=1.0MHz, I _E =0)			6.5	pF	
t _d	Delay Time	V _{CC} =30V,I _C =150uA,		15	ns	
t _r	Rise Time	V _{BE(off)} =2V,I _{B1} =15mA		20	ns	
ts	Storage Time	$V_{CC}=30V, I_{C}=150mA,$		225	ns	
t_f	Fall Time	$I_{B1}=I_{B2}=15mA$		30	ns	

NPN Small Signal Transistors





.039 Suggested Solder





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Ordering Information

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

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