

Micro Commercial Components

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

Features

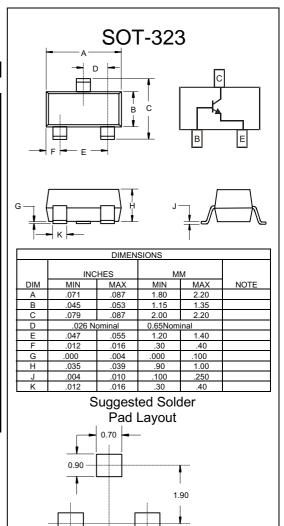
- Power dissipation: 200mW (T_{amb}=25°C)
- Collector current: 0.6A
- Marking : K3X
- Operating and Storage junction temperature range $-55\,^\circ\!\!\mathbb{C}$ to + 150 $^\circ\!\!\mathbb{C}$
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	P	arameter	Min	Max	Units	
OFF CHARACTERISTICS ⁽²⁾						
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage (I _C =1.0mAdc, I _B =0)		40		Vdc	
V _{(BR)CBO}	Collector-Base E (I _c =100uAdc, I	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 $(I_c=150 \text{mAdc}, I_B=15 \text{mAdc})$			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	
tr	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

MMST4401



0.65

0.65

www.mccsemi.com



Ordering Information

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

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