

Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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MMST5551

Features

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

Collector current: 0.2A

Marking: K4N

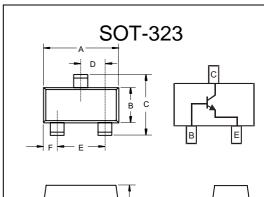
-55℃ to + 150℃

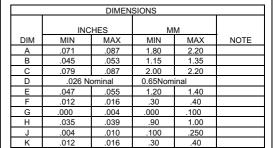
 Case Material: Molded Plastic. UL Flammability Classificatio Rating 94-0 and MSL Rating 1

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
OFF CHARACTERISTICS (2)				
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage (I _C =1.0mAdc, I _B =0)	160		Vdc
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage (I _C =100uAdc, I _E =0)	180		Vdc
$V_{(BR)EBO}$	Collector-Emitter Breakdown Voltage (I _E =10uAdc, I _C =0)	5.0		Vdc
I _{CEO}	Collector Cutoff Current (V _{CB} =35Vdc, I _E =0Vdc)		50	nAdc
I _{EBO}	Emitter Cutoff Current (V _{EB} =5Vdc, I _C =0Vdc)		50	nAdc
h _{FE}	DC Current Gain (I _C =1mAdc, V _{CE} =5Vdc) (I _C =10mAdc, V _{CE} =5Vdc) (I _C =50mAdc, V _{CE} =5Vdc)	80 80 30	 250 	
V _{CE(sat)}	Collector-Emitter Saturation Voltage (I _C =10mAdc, I _B =1mAdc) (I _C =50mAdc, I _B =5mAdc)		0.15 0.2	Vdc
V _{BE(sat)}	Base-Emitter Saturation Voltage (I_c =10mAdc, I_B =1mAdc) (I_c =50mAdc, I_B =5mAdc)		1 1	Vdc
f⊤	Current Gain-Bandwidth Product (V _{CE} =10Vdc, I _C =20mAdc, f=100MHz)	100	300	MHz
C_{ob}	Output Capacitance (V _{CB} =10Vdc, f=1.0MHz, I _E =0)		6	pF
NF	Noise Figure (V_{CE} =5 V , I_{C} =0.2 mA , f =1 KHz , R_{g} =10 Ω)		8	dB

NPN Small Signal Transistors





Suggested Solder Pad Layout 0.70 1.90 0.65 0.65



Ordering Information

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

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