

Micro Commercial Components



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Features

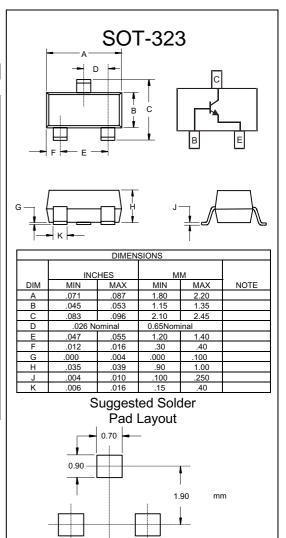
- Halogen free available upon request by adding suffix "-HF"
- Power dissipation: 200mW (T_{amb}=25°C)
- Collector current: 0.2A
- Marking : K4N
- Operating and Storage junction temperature range -55℃ to + 150℃
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating

Moisure Sensitivity Level 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 =100µAdc, I _E =0)	180		Vdc
V _{(BR)EBO}	Collector-Emitter Breakdown Voltage (I _E =10µAdc, 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 ($I_c=10$ mAdc, $I_B=1$ mAdc) ($I_c=50$ mAdc, $I_B=5$ mAdc)		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	Vdc
f _T	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} =5V, I _C =0.2mA, f=1KHz, R _g =10 Ω)		8	dB

MMST5551

NPN Small Signal Transistors



0.65

0.65

www.mccsemi.com



Ordering Information :

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

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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