



Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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

MMST5401

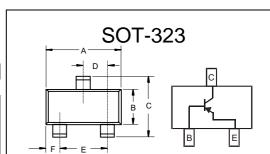
Features

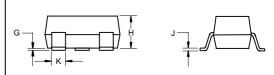
- Halogen free available upon request by adding suffix "-HF"
- Power dissipation: 200mW (T_{amb}=25 °C)
- Collector current: -0.2A
- Marking: K4M
- Operating and Storage junction temperature range
- -55°C to + 150°C Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- 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)	-150		Vdc			
V _{(BR)CBO}							
$V_{(BR)EBO}$	Collector-Emitter Breakdown Voltage -5.0 V (I _E =-10uAdc, I _C =0)						
I _{CEO}	Collector Cutoff Current50 (V _{CB} =-120Vdc, I _E =0Vdc)						
I _{EBO}	Emitter Cutoff Current50 (V _{EB} =-3Vdc, I _C =0Vdc)						
h _{FE}	DC Current Gain (I_C =-1mAdc, V_C ==-5Vdc) (I_C =-10mAdc, V_C =-5Vdc) (I_C =-50mAdc, V_C =-5Vdc)	50 60 50	 240 	 			
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage (I_c =-10mAdc, I_B =-1mAdc) (I_c =-50mAdc, I_B =-5mAdc)		-0.2 -0.5	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 =-10mAdc, 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			

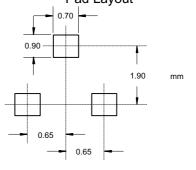
PNP Small Signal Transistors





DIMENSIONS						
	INCHES		MM			
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.071	.087	1.80	2.20		
В	.045	.053	1.15	1.35		
С	.083	.096	2.10	2.45		
D	.026 Nominal		0.65Nominal			
E	.047	.055	1.20	1.40		
F	.012	.016	.30	.40		
G	.000	.004	.000	.100		
Н	.035	.039	.90	1.00		
J	.004	.010	.100	.250		
K	.006	.016	.15	.40		

Suggested Solder Pad Layout





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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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