

Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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MMST5401

Features

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

• Collector current: -0.2A

Marking: K4M

Operating and Storage junction temperature range

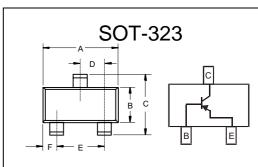
-55°C to + 150°C

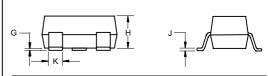
 Case Material: Molded Plastic. UL Flammability Classificatio Rating 94-0 and MSL Rating 1

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)	-150		Vdc			
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage (I _C =-100uAdc, I _E =0)	-160	-	Vdc			
$V_{(BR)EBO}$	Collector-Emitter Breakdown Voltage -5.0 (I _E =-10uAdc, I _C =0)						
I _{CEO}	Collector Cutoff Current50 n (V _{CB} =-120Vdc, I _E =0Vdc)		nAdc				
I _{EBO}	Emitter Cutoff Current50 nA						
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 _T	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			

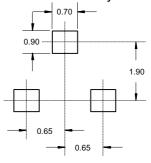
PNP Small Signal Transistors





DIMENSIONS							
	INCHES MM		M				
DIM	MIN	MAX	MIN	MAX	NOTE		
Α	.071	.087	1.80	2.20			
В	.045	.053	1.15	1.35			
С	.079	.087	2.00	2.20			
D	.026 Nominal		0.65Nominal				
Е	.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	.012	.016	.30	.40			

Suggested Solder Pad Layout





Ordering Information

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

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