

Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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

MMST4401

Features

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

• Collector current: 0.6A

Marking: K3X

Operating and Storage junction temperature range

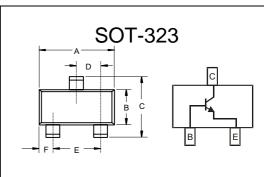
-55℃ to + 150℃

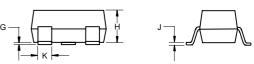
 Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter		Min	Max	Units		
OFF CHARACTERISTICS ⁽²⁾							
$V_{(BR)CEO}$	Collector-Emitte (I _C =1.0mAdc, I	40		Vdc			
V _{(BR)CBO}	Collector-Base E (I _C =100uAdc, I	60		Vdc			
$V_{(BR)EBO}$	Collector-Emitte (I _E =100uAdc, I	6.0		Vdc			
I _{CBO}	Collector Cutoff (V _{CB} =35Vdc, I _E		0.1	μAdc			
I _{CEO}	Collector Cutoff Current (V _{CE} =35Vdc, I _B =0Vdc)			0.1	μAdc		
I _{EBO}	Emitter Cutoff C (V _{EB} =5Vdc, I _C =0		0.1	μAdc			
h _{FE}	DC Current Gair (I _C =150mAdc, (I _C =500mAdc,	100 40	300				
V _{CE(sat)}	Collector-Emitter Saturation Voltage (I _c =150mAdc, I _B =15mAdc)			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		
t _r	Rise Time	$V_{BE(off)}=2V,I_{B1}=15mA$		20	ns		
t _s	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





DIMENSIONS							
	INCHES		MM				
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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