

M.C.C.

Micro Commercial Components



Micro Commercial Components
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Features

- Halogen free available upon request by adding suffix "-HF"
- Power dissipation: 200mW ($T_{amb}=25^{\circ}\text{C}$)
- Collector current: 0.6A
- Marking : K3X
- 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
- Moisture Sensitivity Level 1

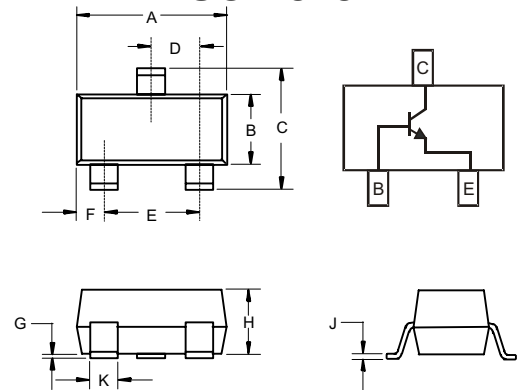
Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units	
OFF CHARACTERISTICS ⁽²⁾					
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage (I _C =1.0mA, I _E =0)	40	---	Vdc	
V _{(BR)CBO}	Collector-Base Breakdown Voltage (I _C =100μA, I _E =0)	60	---	Vdc	
V _{(BR)EBO}	Collector-Emitter Breakdown Voltage (I _E =100μA, I _C =0)	6.0	---	Vdc	
I _{CBO}	Collector Cutoff Current (V _{CB} =35Vdc, I _E =0Vdc)	---	0.1	μAdc	
I _{CEO}	Collector Cutoff Current (V _{CE} =35Vdc, I _B =0Vdc)	---	0.1	μAdc	
I _{EBO}	Emitter Cutoff Current (V _{EB} =5Vdc, I _C =0Vdc)	---	0.1	μAdc	
h _{FE}	DC Current Gain (I _C =150mA, V _{CE} =1.0Vdc) (I _C =500mA, V _{CE} =2.0Vdc)	100 40	300 ---	--- ---	
V _{CE(sat)}	Collector-Emitter Saturation Voltage (I _C =150mA, I _B =15mA)	---	0.4	Vdc	
V _{BE(sat)}	Base-Emitter Saturation Voltage (I _C =150mA, I _B =15mA)	---	0.95	Vdc	
f _T	Current Gain-Bandwidth Product (V _{CE} =10Vdc, I _C =20mA, 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 =150μA, V _{BE(off)} =2V, I _{B1} =15mA	---	15 20	ns ns
t _r	Rise Time	V _{CC} =30V, I _C =150mA, I _{B1} =I _{B2} =15mA	---	225	ns
t _s	Storage Time		---	30	ns
t _f	Fall Time				

MMST4401

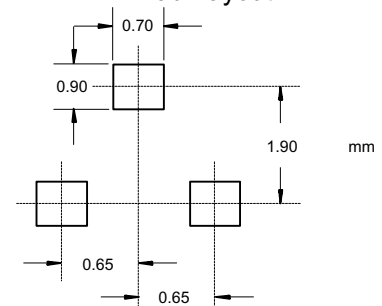
NPN Small Signal Transistors

SOT-323



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.071	.087	1.80	2.20	
B	.045	.053	1.15	1.35	
C	.079	.087	2.00	2.20	
D	.026 Nominal		0.65 Nominal		
E	.047	.055	1.20	1.40	
F	.012	.016	.30	.40	
G	.000	.004	.000	.100	
H	.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&Reel; 3Kpcs/Reel

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

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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