



Micro Commercial Components



Micro Commercial Components
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MMST4403

Features

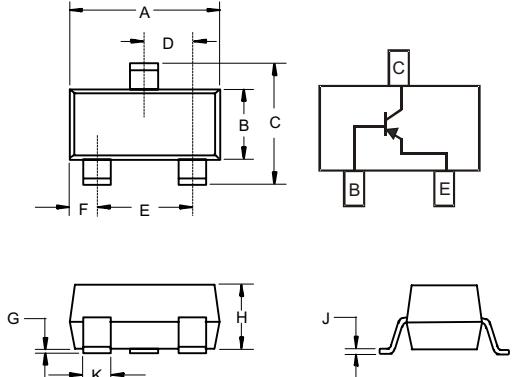
- Halogen free available upon request by adding suffix "-HF"
- Power dissipation: 200mW ($T_{amb}=25^{\circ}\text{C}$)
- Collector current: -0.6A
- Marking : K3T
- Operating and Storage junction temperature range
 -55°C to $+150^{\circ}\text{C}$
- Lead Free Finish/RoHS Compliant ("P" Suffix designates 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 ($I_C=-1.0\text{mA}$, $I_B=0$)	-40	---	Vdc
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage ($I_C=-100\text{uA}$, $I_E=0$)	-40	---	Vdc
$V_{(BR)EBO}$	Collector-Emitter Breakdown Voltage ($I_E=-100\text{uA}$, $I_C=0$)	-5.0	---	Vdc
I_{CBO}	Collector Cutoff Current ($V_{CE}=-35\text{Vdc}$, $I_E=0\text{Vdc}$)	---	-0.1	μA
I_{CEO}	Collector Cutoff Current ($V_{CE}=-35\text{Vdc}$, $I_B=0\text{Vdc}$)	---	-0.1	μA
I_{EBO}	Emitter Cutoff Current ($V_{EB}=-4\text{Vdc}$, $I_C=0\text{Vdc}$)	---	-0.1	μA
h_{FE}	DC Current Gain ($I_C=150\text{mA}$, $V_{CE}=-2\text{Vdc}$)	100	300	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C=150\text{mA}$, $I_B=-15\text{mA}$)	---	-0.4	Vdc
$V_{BE(sat)}$	Base-Emitter Saturation Voltage ($I_C=-150\text{mA}$, $I_B=-15\text{mA}$)	---	-0.95	Vdc
f_T	Current Gain-Bandwidth Product ($V_{CE}=-10\text{Vdc}$, $I_C=-20\text{mA}$, $f=100\text{MHz}$)	200	---	MHz
C_{ob}	Output Capacitance ($V_{CB}=-10\text{Vdc}$, $f=1.0\text{MHz}$, $I_E=0$)	---	8.5	pF
t_d	Delay Time	$V_{CC}=-30\text{V}$, $I_C=-150\text{uA}$,	15	ns
t_r	Rise Time	$V_{BE(off)}=-2\text{V}$, $I_B=15\text{mA}$	20	ns
t_s	Storage Time	$V_{CC}=-30\text{V}$, $I_C=-150\text{mA}$,	225	ns
t_f	Fall Time	$I_{B1}=I_{B2}=-15\text{mA}$	30	ns

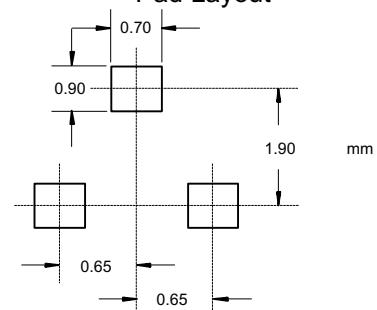
PNP Small Signal Transistors

SOT-323



DIMENSIONS					NOTE
DIM	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.071	.087	1.80	2.20	
B	.045	.053	1.15	1.35	
C	.083	.096	2.10	2.45	
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	.006	.016	.15	.40	

Suggested Solder Pad Layout



TM

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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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