

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 (818) 701-4939 Fax:

eatures

- Lead Free Finish/RoHS Compliant ("P" Suffix designates
- RoHS Compliant. See ordering information) Marking:K4M
- Ideal for Low Power Amplification and Switching
- Ultra-small Surface Mount Package
- Epitaxial Planar Die Construction Epoxy meets UL 94 V-0 flammability rating

Moisure Sensitivity Level 1 Maximum Ratings @ 25°C Unless Otherwise Specified

Symbol	Rating	Rating	Unit	
V _{CEO}	Collector-Emitter Voltage	-150	V	
V _{CBO}	Collector-Base Voltage	-160	V	
V _{EBO}	Emitter-Base Voltage	-5	V	
I _C	Collector Current-Continuous	-0.2	Α	
Pc	Collector Dissipation	0.2	W	
TJ	Operating Junction Temperature	-55 to +150	°C	
Terc	Storage Temperature	-55 to +150	°C	

Electrical Characteristics @ 25°C Unless Atherwise Snecified

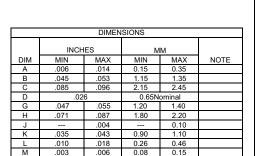
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Symbol		Parameter	Min	Max	Units
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage (I _c =-1mAdc, I _B =0)		-150		Vdc
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage (I _c =-100uAdc, I _E =0)		-160		Vdc
$V_{(BR)EBO}$	Collector-Emitter Breakdown Voltage (I _E =-10uAdc, I _C =0)		-5		Vdc
I _{CBO}	Collector Cutoff Current (V _{CB} =-120Vdc,I _E =0)			0.05	uA
I _{EBO}	Emitter Cutoff C (V _{EB} =-3Vdc,I _C =		-0.05	uA	
h _{FE}	DC Current Gair (I _c =-1mAdc, V (I _c =-10mAdc, (I _c =-50mAdc,	50 60 50	 240 		
V _{CE(sat)}	Collector-Emitter (I _c =-10mAdc, I (I _c =-50mAdc,		-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
\mathbf{f}_{T}	Current Gain-Bandwidth Product (V _{CE} =-10Vdc, I _C =-10mAdc, f=100MHz)		100	300	MHz
C_{ob}	Output Capacitance (V _{CB} =-5Vdc, f=1.0MHz, I _E =0)			4.5	pF
NF	Noise Figure (V_{CE} =-10V,I _C =-0.1mA, f=1KHz, R _S =1k Ω)			6	dB
t _d	Delay Time	V _{CC} =-3V,I _C =-10mA,		35	ns
tr	Rise Time	V_{BE} =-0.5V, I_{B1} =- I_{B2} =-1mA		35	ns
ts	Storage Time	V _{cc} =-3V, I _c =-10mA,		225	ns
t _f	Fall Time	I _{B1} =-I _{B2} =-1mA		75	ns

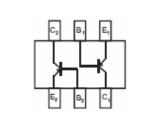
SOT-363 в

MMDT5401

Plastic-Encapsulate

Transistors





www.mccsemi.com

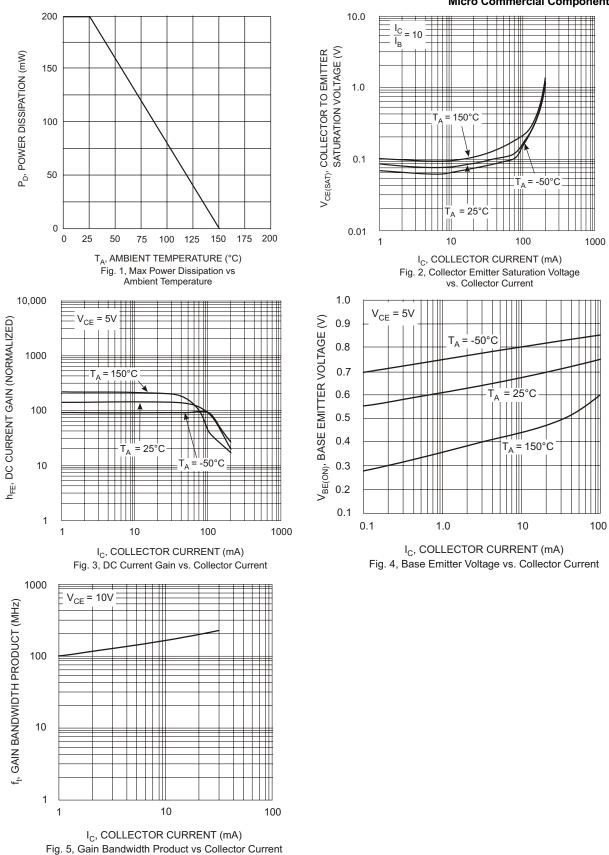
Revision: A

Downloaded from Elcodis.com electronic components distributor

MMDT5401



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Ordering Information :

Device	Packing	
Part Number-TP	Tape&Reel 3Kpcs/Reel	

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