

Excellent Integrated System Limited

Stocking Distributor

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Micro Commercial Components (MCC) MMDT4403-TP

For any questions, you can email us directly: sales@integrated-circuit.com

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com



Micro Commercial Components



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MMDT4403

Features

- Halogen free available upon request by adding suffix "-HF"
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
 Epitaxial Planar Die Construction
- Ideal for Low Power Amplification and Switching
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Marking: K4M/K2T

Maximum Ratings @ 25°C Unless Otherwise Specified

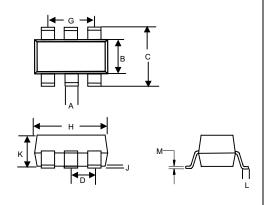
Symbol	Rating	Rating(PNP)	Unit
V_{CEO}	Collector-Emitter Voltage	40	V
V_{CBO}	Collector-Base Voltage	40	V
V_{EBO}	Emitter-Base Voltage	5	V
Ic	Collector Current-Continuous	0.6	Α
Pc	Collector Dissipation	0.2	W
TJ	Operating Junction Temperature	-55 to +150	$^{\circ}\mathbb{C}$
T _{STG}	Storage Temperature	-55 to +150	$^{\circ}\mathbb{C}$

Electrical Characteristics @ 25°C Unless Otherwise Specified

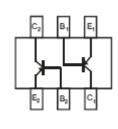
Symbol		Min	Max	Units	
$V_{(BR)CEO}$	Collector-Emitte (I _C =-1mAdc, I _B	40		Vdc	
$V_{(BR)CBO}$	Collector-Base E (I _C =100uAdc, I	40		Vdc	
$V_{(BR)EBO}$	Collector-Emitte (I _E =100uAdc, I	5		Vdc	
I _{CBO}	Collector Cutoff (V _{CB} =50Vdc,I _E		0.1	uAdc	
I _{EBO}	Emitter Cutoff Co (V _{EB} =-5Vdc,I _C =		0.1	uAdc	
h _{FE}	DC Current Gair (I _C =0.1mAdc, V (I _C =1mAdc, V (I _C =10mAdc, V (I _C =150mAdc, V (I _C =500mAdc, V	V _{CE} =1Vdc) : _E =1Vdc) V _{CE} =1Vdc) V _{CE} =2Vdc)	30 60 100 100 20	 300	
V _{CE(sat)}	Collector-Emittel (I _C =150mAdc, (I _C =500mAdc,		0.4 0.75	Vdc	
$V_{BE(sat)}$	Base-Emitter Saturation Voltage (I _C =150mAdc, I _B =15mAdc) (I _C =500mAdc, I _B =50mAdc)		0.75	0.95 1.3	Vdc
f _T	Current Gain-Bandwidth Product (V _{CE} =10.0Vdc, I _C =20mAdc, f=100MHz)		200		MHz
C_{ob}	Output Capacitance (V _{CB} =10Vdc, f=1.0MHz, I _E =0)			8.5	pF
t _d	Delay Time	V_{CC} =30V, I_{C} =150mA,		15	ns
t _r	Rise Time	V_{BE} =2.00V, I_{B1} =15.00mA		20	ns
ts	Storage Time	V _{CC} =30V, I _C =150mA,		225	ns
t _f	Fall Time	I _{B1} =I _{B2} =15mA		30	ns

PNP Plastic-Encapsulate Transistors





DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.006	.014	0.15	0.35	
В	.045	.053	1.15	1.35	
С	.085	.096	2.15	2.45	
D	.02	6	0.65N	ominal	
G	.047	.055	1.20	1.40	
Н	.071	.087	1.80	2.20	
J		.004		0.10	
K	.035	.043	0.90	1.10	
L	.010	.018	0.26	0.46	
M	.003	.006	0.08	0.15	



MMDT4403

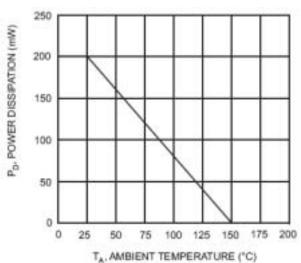
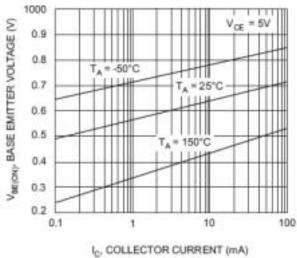
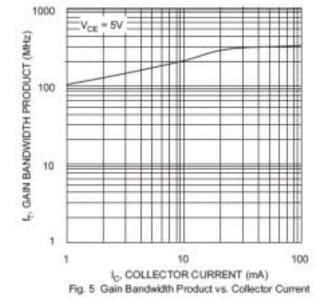


Fig. 1, Max Power Dissipation vs Ambient Temperature

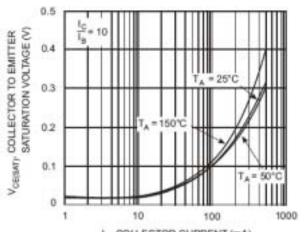


, COLLECTOR CURRENT (m Fig. 3 Base-Emitter Voltage vs. Collector Current

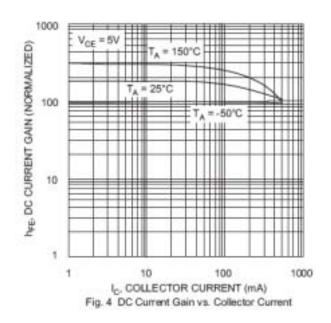


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I_C. COLLECTOR CURRENT (mA) Fig. 2 Collector Emitter Saturation Voltage vs. Collector Current



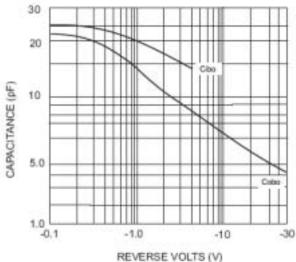


Fig. 6 Typical Capacitance

Distributor of Micro Commercial Components (MCC): Excellent Integrated System Limite

Datasheet of MMDT4403-TP - TRANS 2PNP 40V 0.6A SOT363

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com



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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