

Micro Commercial Components



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

MMBD4448V

Features

- Fast Switching Speed
- For General Purpose Switching Applications
- High Conductance
- Surface Mount Package Ideally Suited for Automatic Insertion
- 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
- Halogen free available upon request by adding suffix "-HF"

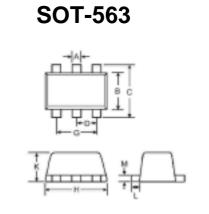
Maximum Ratings

Symbol	Parameter	Rating	Unit
V _{RM}	Non-Repetitive Peak Reverse Voltage	100	V
V _{RRM} V _{RWM} V _R	Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	80	V
V _{R(RMS)}	RMS Reverse Voltage	57	V
I _{FM}	Forward Continuous Current	500	mA
lo	Average Rectified Output Current	250	mA
I _{FSM}	Peak Forward Surge Current @1.0 µ s @1.0s	4.0 2.0	А
R _{•JA}	Thermal Resistance Junction to Ambient	833	°C/W
PD	Power dissipation	150	mW
TJ	Junction Temperature	150	°C
T _{STG}	Storage Temperature	-65 to +150	°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Test Conditions	
V _(BR)	Reverse Breakdown Voltage	80V		I _R =2.5 μ A	
I _R	Reverse Voltage Leakage Current		0.1 µ A 25nA	V _R =70V V _R =20V	
VF	Forward Voltage		0.72V 0.855V 1.0V 1.25V	I _F =5mA I _F =10mA I _F =100mA I _F =150mA	
CT	Total Capacitance		3.5pF	V _R =6V, f=1MHZ	
t _{rr}	Reverse Recovery Time		4ns	V _R =6V, I _F =5mA	

150mW Switching Diodes



DIMENSIONS						
	INCHES MM					
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.006	.011	0.15	0.30		
В	.043	.049	1.10	1.25		
С	.061	.067	1.55	1.70		
D	.020		0.50			
G	.035	.043	0.90	1.10		
Н	.059	.067	1.50	1.70		
K	.022	.023	0.56	0.60		
L	.004	.011	0.10	0.30		
М	.004	.007	0.10	0.18		

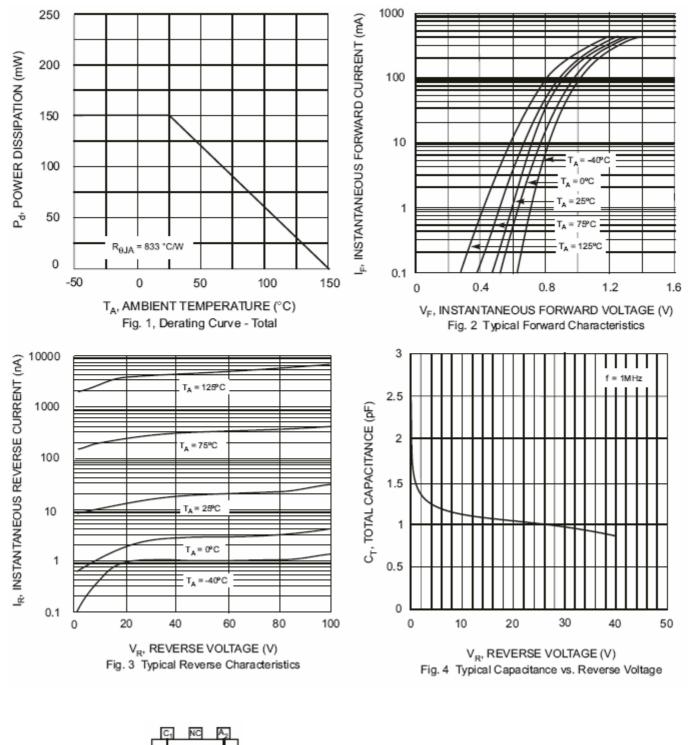
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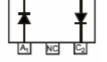
Revision: B

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MARKING: KAL

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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

*****IMPORTANT NOTICE*****

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CUSTOMER AWARENESS

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