



Features

- Halogen free available upon request by adding suffix "-HF"
- Fast Switching Speed
- Surface Mount Package Ideally Suited for Automatic Insertion

Micro Commercial Components

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Fax:

- High Conductance
- High Reverse Breakdown Voltage Rating
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Typical Thermal Resistance: 310°C/W Junction to Ambient

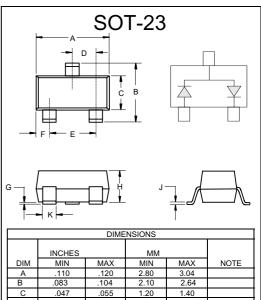
Rating	Symbol	Value	Unit
Continuous Reverse Voltage	V _R	240	V
Peak Repetitive Reverse Voltage	V _{RRM}	350	V
RMS Reverse Voltage	V _{R(RMS)}	212	V
Continuous Forward Current	I _F	225	mA
Repetitive Peak Forward Current	I _{FRM}	625	mA
Forward Surge Current t _P =1us	I _{FSM}	4	А
Forward Surge Current t _P =1s	I _{FSM}	1	А
Total Power Dissipation @T _A =25°C	P _D	410	mW

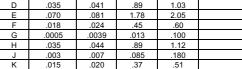
Electrical Characteristics @ 25°C Unless Otherwise Specified

Ratings	Symbol	Value	Test Condition
Maximum Forward Voltage	V _F	0.87 V 1.0 V 1.25 V	F = 20mA F = 100mA F = 200mA
Maximum Reverse Current	I _R	100 nA 100 μA	V _R =240V V _R =240V,T _J =150°C
Minimum Reverse Breakdown Voltage	$V_{(BR)}$	350 V	Ι _R =150μΑ
Maximum Junction Capacitance	C _T	5.0 pF	V _R =0,f=1MHz
Maximum Reverse Recovery Time	t _{rr}	50 ns	$I_{F}=I_{R}=30$ mA, Rec. to $I_{RR}=0.1XI_{R}$, RL=100 Ω

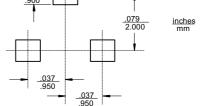
MMBD3004S

410 mW High Voltage Switching Diode 240 Volts





Suggested Solder Pad Layout



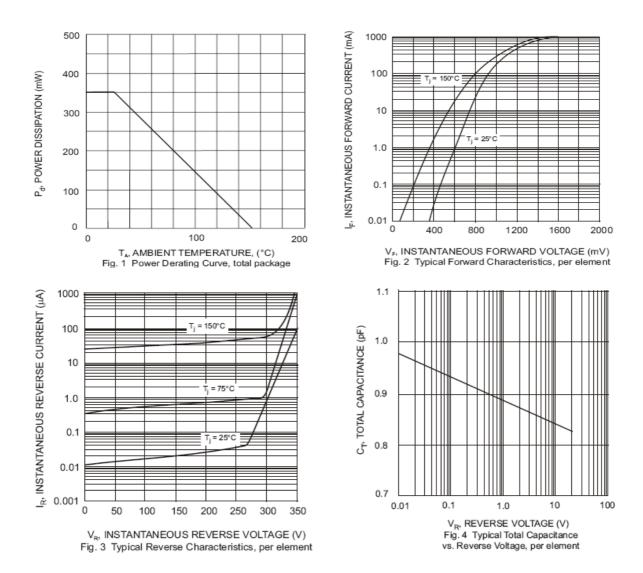
2013/01/01

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ELECTRICAL CHARACTERISTICS CURVES







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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