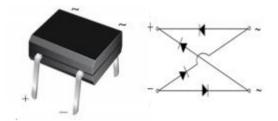


GOOD-ARK Electronics

Reverse Voltage 200~1000V Ountput Current 1A

Features

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Glass passivated chip junctions
- Saves space on printed circuit boards
- High temperature soldering guaranteed: 260°C/10 seconds
- Add suffix "E" for Halogen Free



MBM

Typical Applications

• General purpose use in ac-to-dc bridge full wave rectification for TV, Monitor, SMPS, Adapter, Printer, Audio equipment, and Home Applications application

Mechanical Data

- Case: Molded plastic body over passivated junctions
- Terminals: plated leads solderable per MIL-STD-750, Method 2026
- Mounting Position:Any

Maximum Ratings (TA = 25 °C unless otherwise noted)							
Parameter	Symbol	MF2M	MF4M	MF6M	MF8M	MF10M	Unit
Maximum repetitive peak reverse voltage	V _{RRM}	200	400	600	800	1000	V
Maximum RMS voltage	V _{RMS}	140	280	420	560	700	V
Maximum DC blocking voltage	V _{DC}	200	400	600	800	1000	V
Average forward rectified output current ⁽¹⁾	I _{F(AV)}	1.0		А			
Peak forward surge current single sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	40		A			
Rating for fusing (t≤8.3ms)	ŕt	6.7		A ² s			
Operating junction and storage temperature range	T _J , T _{STG}	-55 to 150		°C			
Typical junction capacitance per at 4.0V, 1.0MHz	Cj	13		pF			



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Electrical Characteristics (TA = 25 °C unless otherwise noted)								
Parameter	Test Conditions	Symbol	MF2M	MF4M	MF6M	MF8M	MF10M	Unit
Maximum instantaneous forward voltage	l _F =1A	V _F			1.1			Volts
Maximum DC reverse current at rated DC blocking voltage	T _A =25°C		5.0					
	T _A =125°C	l _R	100					
		$R_{ extsf{ heta}JA}$			85 ⁽¹⁾			
Typical thermal resistance ⁽¹⁾		R _{θJA}	70 ⁽²⁾					°C/W
		$R_{ extsf{ heta}JL}$			20 ⁽¹⁾			

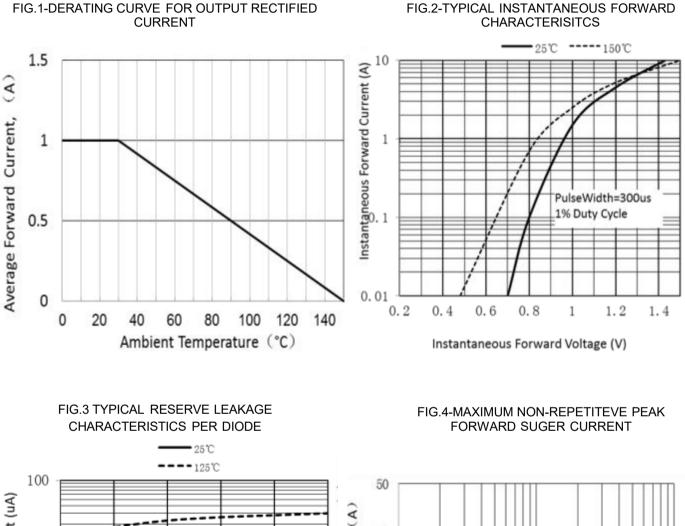
Note:1. On glass epoxy P.C.B. mounted on 0.05×0.05"(1.3×1.3mm) pads

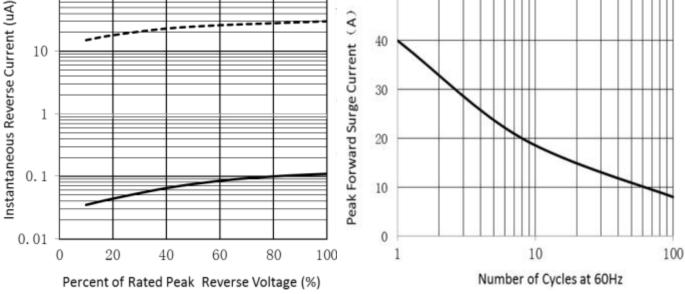
2. On aluminum substrate P.C.B.whthan area of 0.8×0.8" (20×20mm) mounted on 0.05×0.05"(1.3×1.3mm) solder pad



Ratings and Characteristics Curves

(TA = 25°C unless otherwise noted)





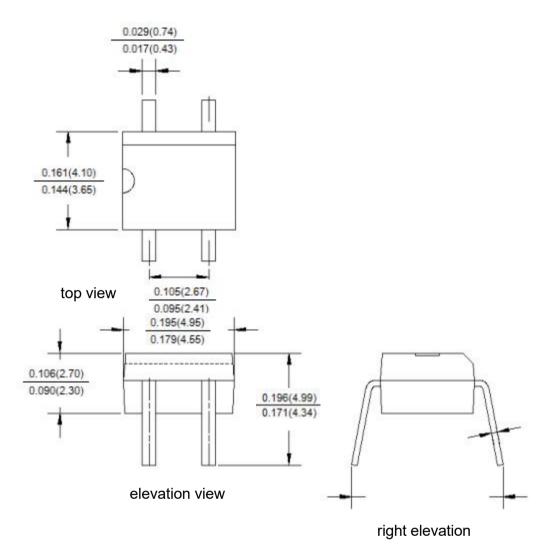


GOOD-ARK Electronics

Package Outline Dimensions

Unit:inches(mm)





Revision History

Document Version	Date of release	Discroption of changes		
Rev.A	2021/3/1	Released Datasheet		
Rev.B	2023/12/8	Modify document format		



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