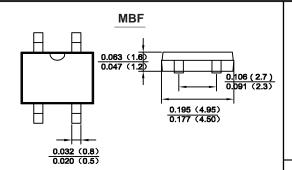
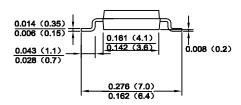


MB2F THRU MB10F

SINGLE PHASE GLASS PASSIVATED BRIDGE RECTIFIERS

Voltage Range - 200 to 1000 Volts Current - 0.5/0.8 Ampere





Dimensions in inches and (millimeters)

FEATURES

- Glass passivated die construction
- Low forward voltage drop
- High current capability
- High surge current capability
- Designed for surface mount application
- Plastic material-UL flammability 94V-0

MECHANICAL DATA

Case: MBF, molded plastic

Terminals: Plated leads solderable per MIL-STD-750,

Method 2026

Polarity: Polarity symbols marked on case

Mounting Position: Any

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

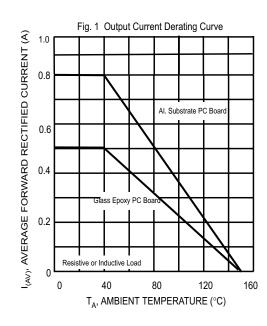
Ratings at 25℃ ambient temperature unless otherwise specified. Single phase half-wave 60Hz, resistive or inductive load, for capacitive load derate current by 20%.

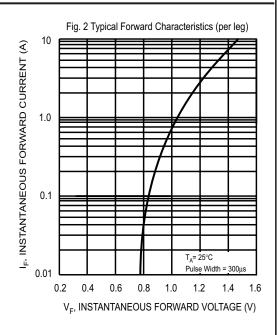
MDD Catalog Number	SYMBOLS	MDD MB2F	MDD MB4F	MDD MB6F	MDD MB8F	MDD MB10F	UNITS
Maximum repetitive peak reverse voltage	Vrrm	200	400	600	800	1000	VOLTS
Maximum RMS voltage	VRMS	140	280	420	560	700	VOLTS
Maximum DC blocking voltage	VDC	200	400	600	800	1000	VOLTS
Maximum average forward rectified current	0.5 0.8						Amps
at Tc=30°C On glass-epoxy P.C.B.							
On aluminum substrate							
Peak forward surge current,							
8.3ms single half sine-wave superimposed on	IFSM 30						Amps
rated load (JEDEC Method)							
Maximum instantaneous forward voltage drop	VF	4.4					1/2/42
per leg at 0.5A	VF 1.1					Volts	
Maximum DC reverse current T _J =25°C		5.0					uA uA
at rated DC blocking voltage T _J =125℃	IR 500						
Typical junction capactiance per leg(Note3)	CJ	13					pF
Typical thermal resistance per leg	RθJA	60					°C/W
Operating temperature range	Тл	-55 to +150					°C
storage temperature range	Тѕтс	-55 to +150					°C

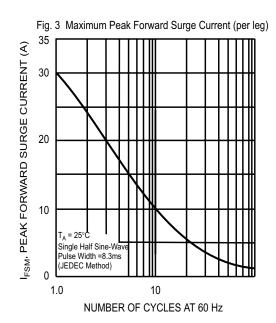
NOTES:1.On glass epoxy P.C.B. mounted on 0.05x0.05"(1.3x1.3mm) pads 2.On aluminum substrate P.C.B. with on area of 0.8"x0.8"(20x20mm) mounted on 0.05X0.05"(1.3X1.3mm) solder pad 3.Measured at 1.0MHz and applied reverse voltage of 4.0 volts.

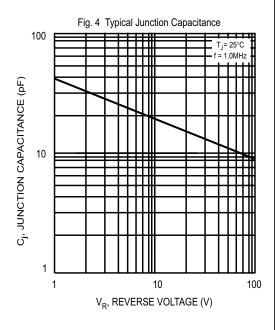


RATINGS AND CHARACTERISTIC CURVES MB2F THRU MB10F









The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!

