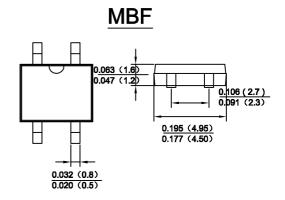


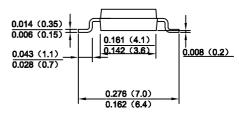
Features

- · 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: MB-F, molded plastic
- Terminals: plated leads solderable per MIL-STD-202, Method 208
- · Polarity: as marked on case
- Mounting position: Any
- Marking: type number
- · Lead Free: For RoHS / Lead Free Version,





Dimiensions in inches and (milimenters)

Maximum Ratings and Electrical Characteristics

Rating at 25° C ambient temperature unless otherwise specified. Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

TYPE NUMBER	SYMBOL	MB10F-50	UNITS
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM		
	VRWM	1000	V
	VDC		
RMS Reverse Voltage	VRMS	700	V
Maximum average forward rectified current @T _A =40 ℃	lo	1.0	А
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	Ігѕм	35	А
Forward Voltage per element @IF=1.0A	VFM	1.1	V
Peak Reverse Current @T _A =25 ℃ At Rated DC Blocking Voltage @T _A =125 ℃	lR	5.0 500	uA
Typical Junction Capacitance per leg (Note 1)	CJ	25	pF
Typical Thermal Resistance per leg (Note 2)	RθJA	60	°C /\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	Rejl	16	°C/W
Operating and Storage Temperature Range	Т _J ,Тsтg	-55to+150	°C

Note:1. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

2.Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B with 0.5×0.5"(13×13mm)copper pads.

