

FEATURES

- UL Recognized Component
- Ideal for Printed Circuit Board
- Simple, Compact Structure for Trouble-free Performance
- Plastic Package - UL Flammability Classification 94V-0

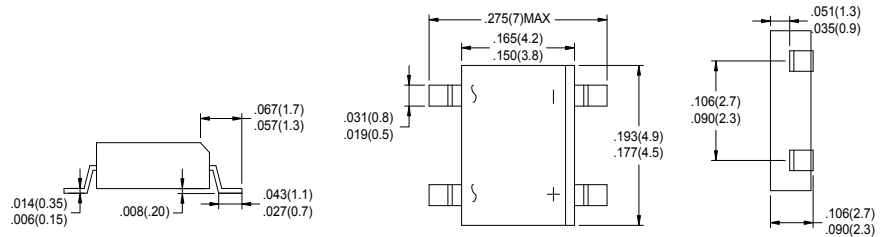
MB05S --- MB10S



CASE:MB-S

Mechanical Data

- Case: Transfer Molded Epoxy
- Mounting Position: Any
- Polarity: Polarity Symbols Marked on Body



Unit: mm

Maximum Ratings and Electrical Characteristics (Ta=25 °C unless otherwise noted)

Characteristic	Symbo	MB05S	MB1S	MB2S	MB4S	MB6S	MB10S	Unit
Peak Repetitive Reverse Voltage	VRRM	50	100	200	400	600	1000	V
Working Peak Reverse Voltage DC	VRWM							
Blocking Voltage	VR							
RMS Reverse Voltage	VR(RMS)	35	70	140	280	420	700	V
Average Rectified Output Current (Note 1) @TA = 40°C	IO	0.5						A
Average Rectified Output Current (Note 2) @TA = 40°C		0.8						
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	30						A
I ² t Rating for Fusing (t < 8.3ms)	I ² t	5.0						A ² s
Forward Voltage per element @IF = 0.5A	VFM	1.0						V
Peak Reverse Current @TA = 25°C	IRM	5.0						μA
At Rated DC Blocking Voltage @TA = 125°C		500						
Typical Junction Capacitance per leg (Note 3)	Cj	13						pF
Typical Thermal Resistance per leg (Note 1)		70						°C/W
		20						
Operating and Storage Temperature Range	Tj, TSTG	-55 to +150						°C

Notes: 1. Thermal resistance from junction to ambient mounted on PC board with 13mm x 13mm copper pads.
 2. 60 Hz resistive or inductive load.
 3. For capacitive load, derate current by 20%.

MB05S --- MB10S CHARACTERISTIC CURVES

