

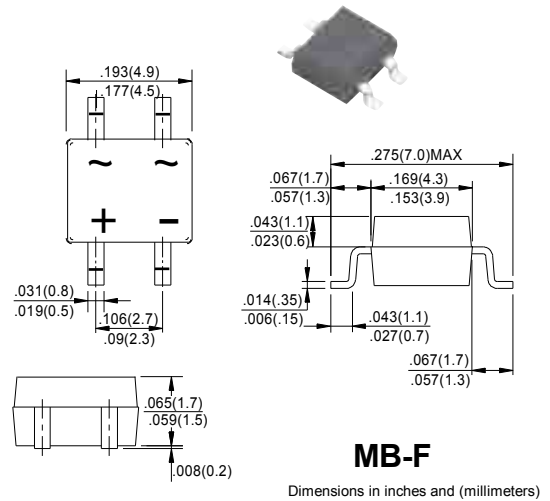
**MB05F --- MB10F**

**FEATURES**

- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- Rating to 1000V PRV
- High surge current capability
- Small size simple installation

**Mechanical Data**

- Terminals: Plated leads solderable per MIL-STD-750,Method 2026
- Mounting Position: Any



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

Characteristic		MB05	MB1F	MB2F	MB4F	MB6F	MB8F	MB10F	Unit
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	$V_{RMS}$	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	$V_{DC}$	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current	$I_{(AV)}$	0.8							A
Peak Forward Surge Current	$I_{FSM}$	35							A
8.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method)									
Peak Forward Voltage at 0.8A DC	$V_F$	1.0							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	$I_R$	5.0							uA
@Tj=25°C @Tj=100°C									
Typical Junction Capacitance	$C_J$	15							pF
Typical Thermal Resistance	$R_{\theta JC}$	75							°C/W
Operating Temperature Range	$T_J$	-55 to +150							°C
Storage Temperature Range	$T_{STG}$	-55 to +150							°C

**MB05F --- MB10F** CHARACTERISTIC CURVES

