

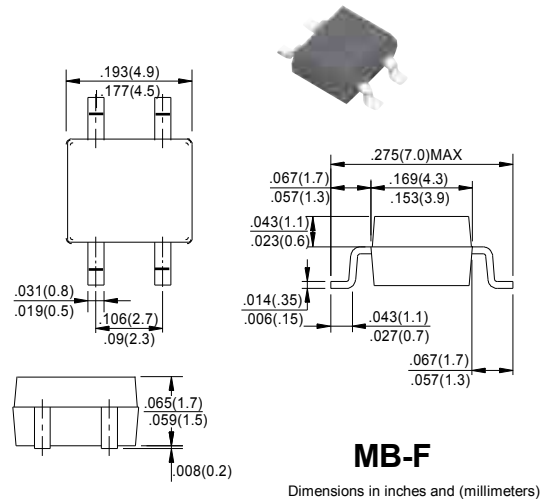
MB05F --- MB10F

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		MB05F	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 @T _A =40 °C	I _(AV)	0.8							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method)	I _{FSM}	35							A
Peak Forward Voltage at 0.8A DC	V _F	1.0							V
Maximum DC Reverse Current at Rated DC Blocking Voltage @T _J =25°C @T _J =100°C	I _R	5.0 500							uA
Typical Junction Capacitance	C _J	15							pF
Typical Thermal Resistance	R _{θJC}	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

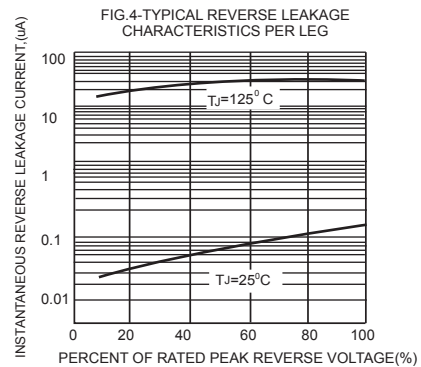
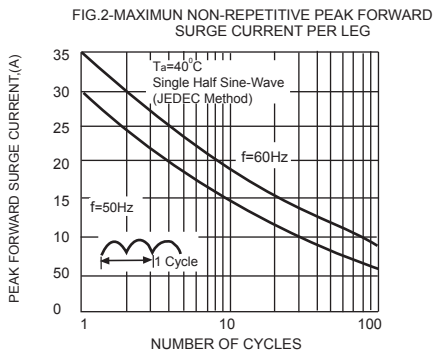
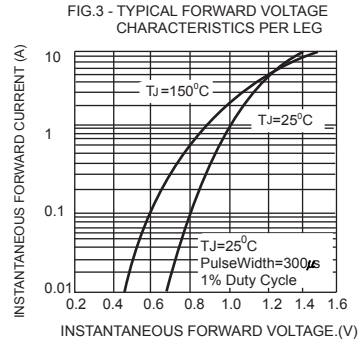
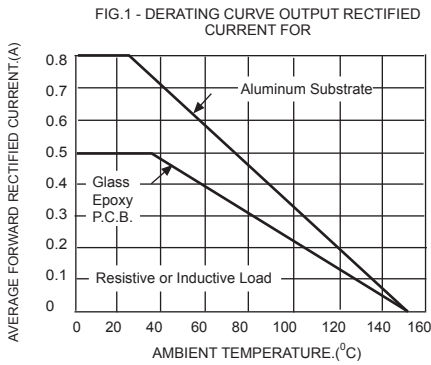


FIG.5-TYPICAL JUNCTION CAPACITANCE

