

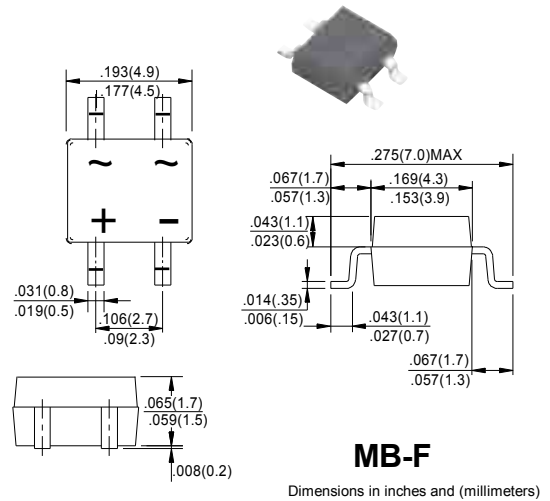
MB05F --- MB10F

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 |
| | | 500 | | | | | | | |
| 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

