

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature uniess otherwies specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

| TYPE NUMBER | MB05S | MB1S | MB2S | MB4S | MB6S | MB8S | MB10S | UNIT |
|--|----------|------|------|------|------|------|-------|------|
| Maximum Recurrent Peak Reverse Voltage | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| Maximum RMS Voltage | 35 | 70 | 140 | 280 | 420 | 560 | 700 | V |
| Maximum DC Blocking Voltage | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| Maximum Average Forward Rectified Current | | | | | • | • | | |
| at Ta=40°C(Note 1) | 1.0 | | | | | | | А |
| Peak Forward Surge Current, 8.3 ms single half sine-wave | | | | | | | | |
| superimposed on rated load (JEDEC method) | 3 0 | | | | | | А | |
| Maximum Forward Voltage Drop per Bridge Element at 0.5A D.C. | 1.0 | | | | | | V | |
| Maximum DC Reverse Current Ta=25°C | 5.0 | | | | | | | μA |
| at Rated DC Blocking Voltage Ta=125°C | 500 | | | | | | | μA |
| Typical Thermal Resistance R JA (Note 2) | 75 | | | | | | °C/W | |
| Operating Temperature Range, TJ | -55-+150 | | | | | | °C | |
| Storage Temperature Range, Tsто | -55-+150 | | | | | | | °C |

NOTES: 1. Mounted on P.C. Board.

2. Thermal Resistance Junction to Ambient.

