MSKSEMI 美森科













ESD

TVS

TSS

MOV

GDT

PLED

GBU15005-MS THRU GBU1510-MS

Product specification



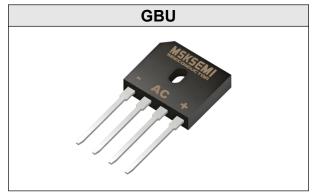


VOLTAGE RANGE: 50 - 1000V CURRENT: 15 A

FEATURES

- Surge overload rating -230 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Plastic material has U/L lammability classification
 94V-0

REFERENCE NEWS



MECHANICAL DATA

 Case: JEDEC GBU Molded plastic body
 Terminals: Solder plated, solderable per MIL-STD-750, Method 2026

• Polarity : Polarity symbol marking on body

• Mounting Position: Any

Marking

| GBU 15005-MS | GBU 1501-MS | GBU 1502-MS | GBU 1504-MS |
|--------------------------|-------------------------|-------------------------|-------------------------|
| MSKSEMI GBU 15005 + AC - | MSKSEMI GBU 1501 + AC - | MSKSEMI GBU 1502 + AC - | MSKSEMI GBU 1504 + AC - |
| GBU1506-MS | GBU1508-MS | GBU1510-MS | |
| MSKSEMI GBU 1506 + AC - | GBU 1506 GBU 1508 | | |



GBU15005-MS THRU GBU1510-MS

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwisespecified.

Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

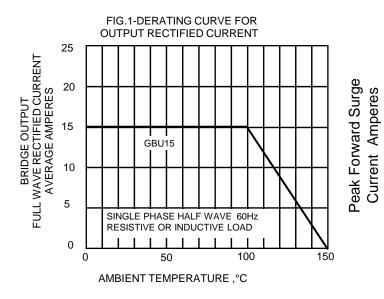
| Parameter | SYMBOLS | GBU15005 -MS | GBU1501 -MS | GBU1502 -MS | GBU1504 -MS | GBU1506 -MS | GBU1508 -MS | GBU1510 -MS | UNITS |
|--|---------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|-------|
| Maximum repetitive peak reverse voltage | VRRM | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| Maximum RMS voltage | VRMS | 35 | 70 | 140 | 280 | 420 | 560 | 700 | V |
| Maximum DC blocking voltage | VDC | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| Maximum average forward(with heatsink NOTE 2) Rectified current @To=100°C(without heatsink) | l(AV) | 15.0 3.2 | | | | | A | | |
| Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method) | lrsm | 230 | | | | | | A | |
| Rating for Fusing(t<8.3ms) | ľt | 219 | | | | | A²s | | |
| Maximum forward voltage at 7.5A DC | VF | 1.1 | | | | | V | | |
| Maximum DC reverse current at T _A =25°C | lR | 5 | | | | | μA | | |
| rated DC blocking voltage Ta=125°C | IR . | 0.5 | | | | | mA | | |
| Typical Junction Capacitance (Note 1) | CJ | 70 | | | | | pF | | |
| Typical Thermal Resistance (Note 2) | R 0JA | 2.2 | | | | | °C/W | | |
| Operating junction temperature range | TJ | -55 to +150 | | | | °C | | | |
| storage temperature range | Тѕтс | -55 to +150 | | | | | °C | | |

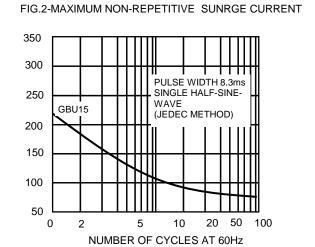
NOTES:

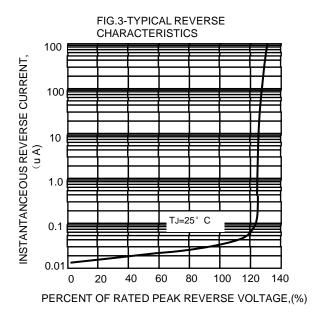
- 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.
- 2.Device mounted on 100mm*100mm*1.6mm cu plate heatsink.
- 3. The typical data above is for reference only

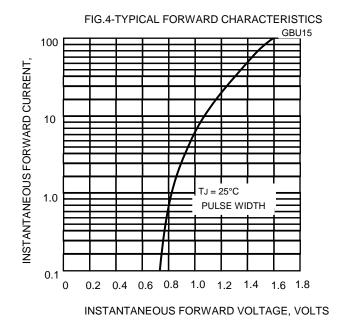


RATINGAND CHARACTERISTIC CURVES (GBU15005-MS THRU GBU1510-MS)



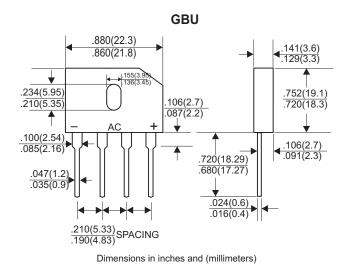








PACKAGE MECHANICAL DATA



REELSPECIFICATION

| P/N | PKG | QTY |
|-----------------------------|-----|-----|
| GBU15005-MS THRU GBU1510-MS | GBU | 500 |



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