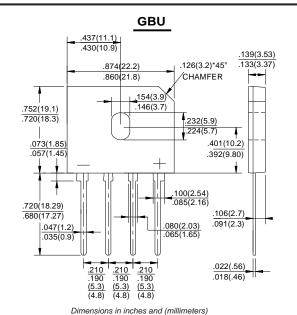


GBU8005 THRU GBU810

GLASS PASSIVATED BRIDGE RECTIFIERS

Reverse Voltage - 50 to 1000 Volts Forward Current - 8.0 Amperes



FEATURES

- Surge overload rating -175 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Plastic material has U/L lammability classification 94V-0
- Mounting postition: Any

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

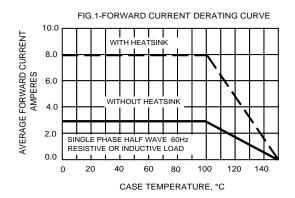
| SYMBOLS | GBU 8005 | GBU 801 | GBU 802 | GBU 804 | GBU 806 | GBU 808 | GBU 810 | UNITS |
|------------------|--|--|--|--|---|--|--|---|
| Vrrm | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | VOLTS |
| VRMS | 35 | 70 | 140 | 280 | 420 | 560 | 700 | VOLTS |
| VDC | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | VOLTS |
| l(AV) | 8.0 2.9 | | | | | | | Amps |
| Ігѕм | 200.0 | | | | | | | Amps |
| l ² t | 166 | | | | | | | A²s |
| VF | 1.0 | | | | | | | Volts |
| 1- | 10 | | | | | | | μΑ |
| IR I | 500 | | | | | | | μΑ |
| Cı | 60 | | | | | | | pF |
| RθJA | 2.2 | | | | | | | °C/W |
| TJ | -55 to +150 | | | | | | | °C |
| Тѕтс | -55 to +150 | | | | | | | °C |
| | VRRM VRMS VDC I(AV) IFSM I ² t VF IR CJ R@JA TJ | STIMBULS 8005 VRRM 50 VRMS 35 VDC 50 I(AV) IFSM I²t VF IR CJ RθJA TJ TJ TJ TJ TJ TJ TJ | VRRM 50 100 VRMS 35 70 VDC 50 100 I(AV) IFSM I²t VF IR CJ RθJA TJ TJ T100 T100 TJ TJ T100 T100 T100 TJ TJ T100 T | VRRM 50 100 200 VRMS 35 70 140 VDC 50 100 200 I(AV) IFSM I'2t VF IR CJ R@JA TJ | VRRM 50 100 200 400 VRMS 35 70 140 280 VDC 50 100 200 400 I(AV) 8.0 IFSM 200.0 IR 10 Rejja 2.2 Tj -55 to +1 | NRM S0 100 200 400 600 VRMS 35 70 140 280 420 VDC 50 100 200 400 600 I(AV) IFSM IR CJ Rejja TJ | NRM S0 100 200 400 600 800 VRMS 35 70 140 280 420 560 VDC 50 100 200 400 600 800 I(AV) | No. No. |

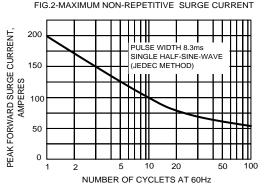
NOTES: 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

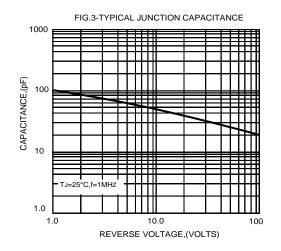
- 2.Device mounted on 75mm*75mm*1.6mm cu plate heatsink.
- 3.The typical data above is for reference only(典型值仅供参考

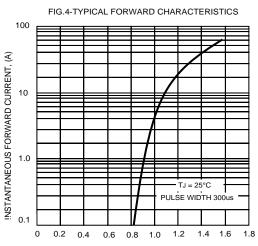
www.tw-gmc.com

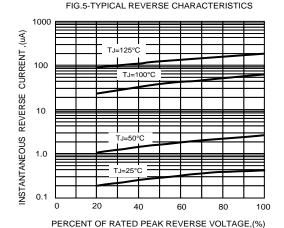
RATINGS AND CHARACTERISTIC CURVES GBU8005 THRU GBU810











INSTANTANEOUS FORWARD VOLTAGE, VOLTS

The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!