GBU8A-M

SILICON BRIDGE RECTIFIERS

Features

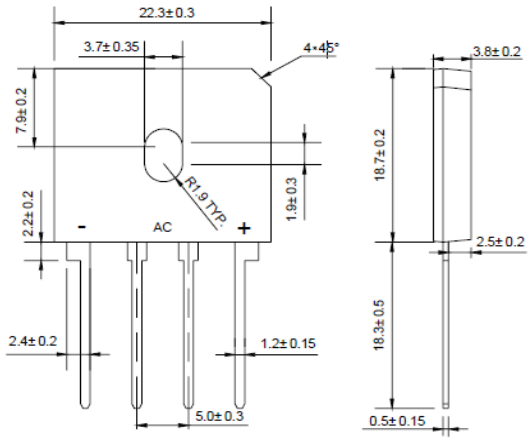
- Rating to 1000V PRV
- Surge overload rating to 200 Amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- Lead solderable per MIL-STD-202 method 208
- Glass passivated junctions
- RoHS compliant package

Package type：GBU

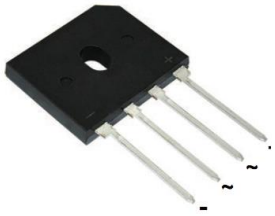
Packing & Order Information

500/Box

GBU

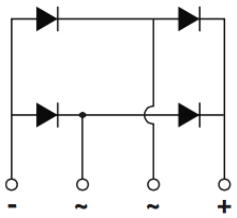


Dimensions in millimeters



RoHS COMPLIANT

Graphic symbol



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

Rating	Symbol	GBU 8A	GBU 8B	GBU 8D	GBU 8G	GBU 8J	GBU 8K	GBU 8M	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 output current Tc = 100 °C	$I_{F(AV)}$	8.0							A
Peak forw ard surge current 8.3ms single half-sine-w ave superimposed on rated load	I_{FSM}	200							A
Maximum instantaneous forw ard voltage @4.0 A	V_F	1.0							V
Maximum reverse current @TA=25 μA at rated DC blocking voltage @TA=125	I_R	5.0 0.5							μA
Operating Junction Temperature Range	T_J	-55 to +150							°C
Storage Temperature Range	T_J,T_{STG}	-55 to +150							°C

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■RATING AND CHARACTERISTIC CURVES

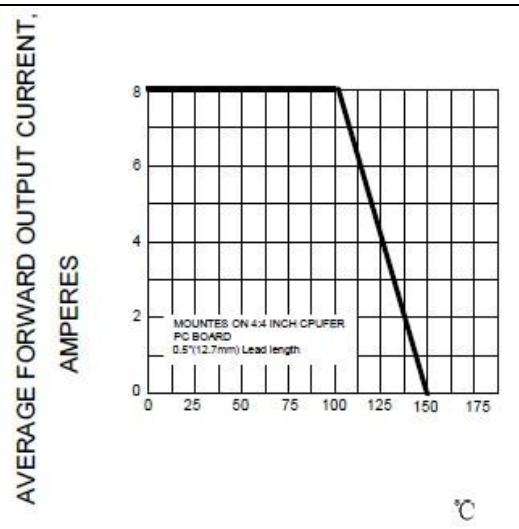

FIG.1 - TYPICAL FORWARD CURRENT DERATING CURVE

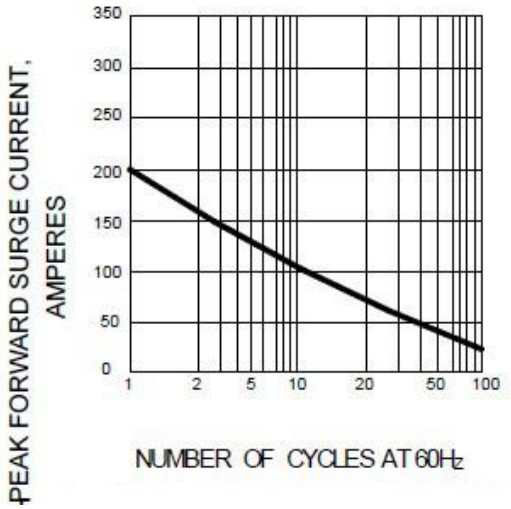

FIG.3 – MAXIMUM FORWARD SURGE CURRENT

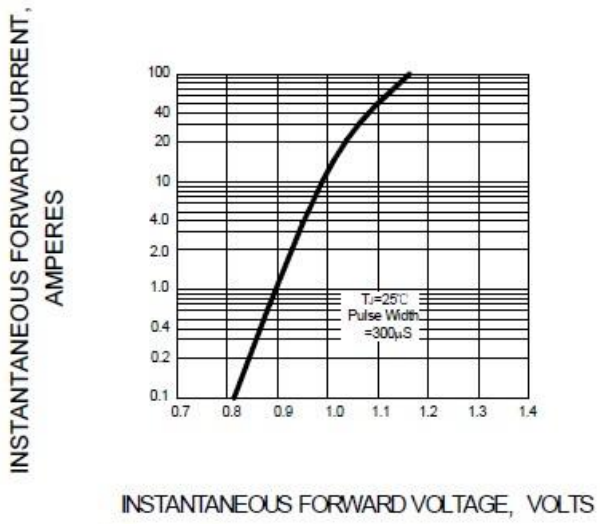

FIG.3- TYPICAL FORWARD CHARACTERISTIC

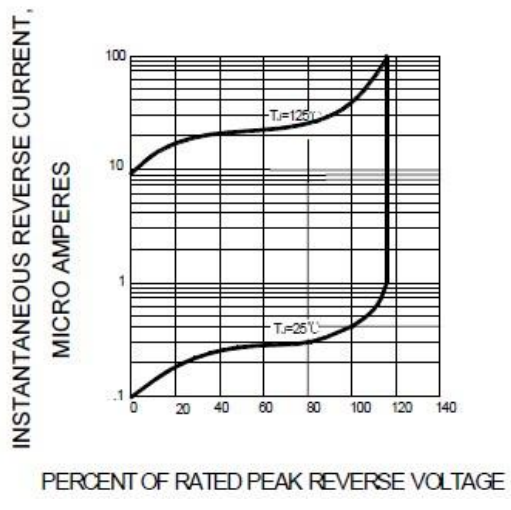

FIG.4 - TYPICAL REVERSE CHARACTERISTICS

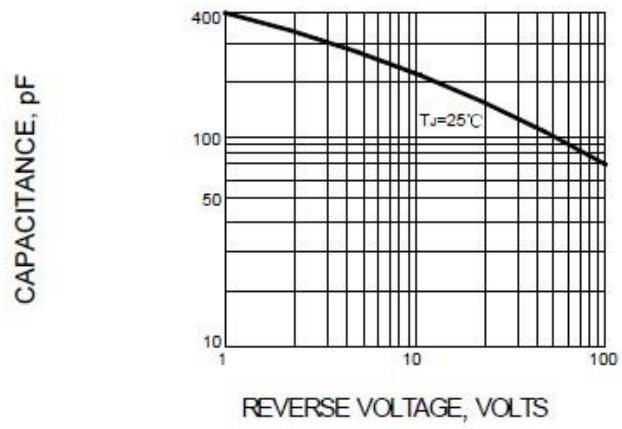

FIG.5- TYPICAL JUNCTION CAPACITANCE PER ELEMENT

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