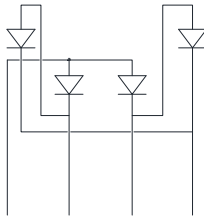
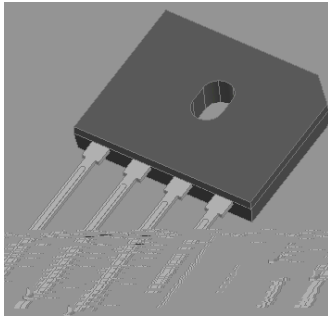


## Low VF Bridge Rectifiers



### Features

- UL recognition, file #E230084 based on silicon planar process
- Ideal for printed circuit boards
- High surge current capability
- Low VF
- Solder dip 275 °C max. 7 s, per JESD 22-B106

### Typical Applications

General purpose use in AC/DC bridge full wave rectification for monitor, TV, printer, power supply, switching mode power supply, adapter, audio equipment, and home appliances applications.

### Mechanical Data

- Package:** GBU
- Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Polarity:** As marked on body

### Maximum Ratings (T<sub>a</sub>=25 Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	GBUU2508	
Device marking code			GBUU2508	
Maximum Repetitive Peak Reverse Voltage	VRRM	V	800	
Maximum RMS Voltage	VRMS	V	560	
Maximum DC blocking Voltage	VDC	V	800	
Average rectified output current @60Hz sine wave, R-load	With heatsink T <sub>c</sub> =110	I <sub>O</sub>	A	25.0
	Without heatsink T <sub>a</sub> =25			4.0
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, T <sub>j</sub> =25	IFSM	A	360	
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, T <sub>j</sub> =25			700	
Current squared time @1ms t 8.3ms T <sub>j</sub> =25, Rating of per diode	I <sup>2</sup> t	A <sup>2</sup> S	538	
Storage temperature	T <sub>stg</sub>		-55 ~ +150	
Junction temperature	T <sub>j</sub>		-55 ~ +150	
Dielectric strength @ Terminals to case, AC 1 minute	V <sub>dis</sub>	KV	2.5	
Mounting torque @Recommend torque 5kg cm	Tor	kg cm	8	





Outline Dimensions

GBU		
Dim	Min	Max
A	21.80	22.30
B	18.30	18.80
C	17.50	18.00
D	3.30	3.90
E	7.10	7.50
F	5.50	5.90
G	1.91	2.54
H	2.06	2.54
I	1.02	1.27
J	4.83	5.33
K	3.30	3.56
L	2.40	2.66
M		



## Disclaimer

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to