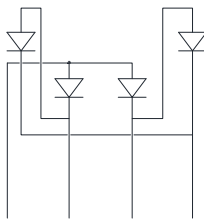
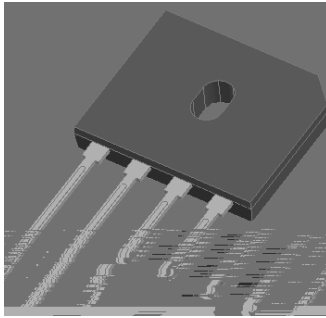


Low VF Bridge Rectifiers



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_a=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 Tc =110	IO	A	25.0
	Without heatsink Ta =25			4.0
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, Tj=25		IFSM	A	360
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25				700
Current squared time @1ms≤t≤8.3ms Tj=25 , Rating of per diode		I²t	A²S	538
Storage temperature		Tstg		-55 ~ +150
Junction temperature		Tj		-55 ~ +150
Dielectric strength @ Terminals to case, AC 1 minute		Vdis	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