

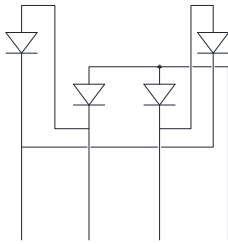
Low VF Bridge Rectifiers

Features

- UL recognition, file #E230084
- Glass passivated chip junction
- Thin single in-line package
- High surge current capability
- Solder dip 275 °C max. 7 s, per JESD 22-B106

Typical Applications

General purpose use in AC/DC bridge full wave rectification for switching power supply, home appliances, office equipment, industrial automation applications.



Mechanical Data

- Package:** 6KBJ
- 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	GBJL3508	
Device marking code			GBJL3508	
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 _c =85	I _O	A	35.0
	Without heatsink T _a =25			3.5
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, T _j =25	IFSM	A	450	
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, T _j =25			900	
Current squared time @1ms t 8.3ms T _j =25, Rating of per diode	I ² t	A ² S	840	
Storage temperature	T _{stg}		-55 ~ +150	
Junction temperature	T _j		-55 ~ +150	
Dielectric strength @ terminals to case, AC 1 minute	V _{dis}	KV	2.5	
Mounting torque @recommend torque 5kg cm	T _{or}	kg cm	8	



Electrical Characteristics



Outline Dimensions



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