



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 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	GBJ25005	GBJ2501	GBJ2502	GBJ2504	GBJ2506	GBJ2508	GBJ2510
Device marking code			GBJ25005	GBJ2501	GBJ2502	GBJ2504	GBJ2506	GBJ2508	GBJ2510
Maximum Repetitive Peak Reverse Voltage	VRRM	V	50	100	200	400	600	800	1000
Maximum RMS Voltage	VRMS	V	35	70	140	280	420	560	700
Maximum DC blocking Voltage	VDC	V	50	100	200	400	600	800	1000
Average rectified output current @60Hz sine wave, R-load	With heatsink T _c =100	IO	A	25.0					
	Without heatsink T _a =25			4.0					
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, T _j =25	IFSM	A	320						
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, T _j =25			640						
Current squared time @1ms t<8.3ms T _j =25 ,Rating of per diode	I ² t	A ² s	425						

Storage temperature

T_{stg}

GBJ25005 THRU GBJ2510



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