

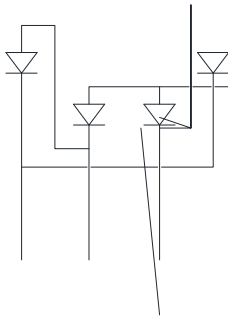
Bridge Rectifiers

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** ($T_a=25^\circ\text{C}$ Unless otherwise specified)

PARAMETER		SYMBOL	UNIT	GBJ15005A	GBJ1501A	GBJ1502A	GBJ1504A	GBJ1506A	GBJ1508A	GBJ1510A
Device marking code				GBJ15005A	GBJ1501A	GBJ1502A	GBJ1504A	GBJ1506A	GBJ1508A	GBJ1510A
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 Tc =105	IO	A	15.0						
	Without heatsink Ta =25			3.5						
Forward Surge Current (Non-repetitive) @60Hz Half-wave, 100 cycles @61°C		IO		J						
Current squared time @1ms≤t<8.3ms Tj=25°C, Rating of per diode		I²t	A²s	325						
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						

GBJ15005A THRU GBJ1510A



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