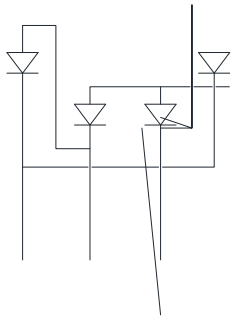
Bridge Rectifiers

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	GBJ15005A	GBJ1501A	GBJ1502A	GBJ1504A	GBJ1506A	GBJ1508A	GBJ1510A
Device marking code				GBJ15005A	GBJ1501A	GBJ1502A	GBJ1504A	GBJ1506A	GBJ1508A	GBJ1510A
Maximum Repetitive Peak Reverse Voltage		V_{RRM}	V	50	100	200	400	600	800	1000
Maximum RMS Voltage		V_{RMS}	V	35	70	140	280	420	560	700
Maximum DC blocking Voltage		V_{DC}	V	50	100	200	400	600	800	1000
Average rectified output current @60Hz sine wave, R-load	With heatsink Tc =105	I_O	A	15.0						
	Without heatsink Ta =25			3.5						
Forward Surge Current (Non-repetitive) @60Hz Half-				@60Hz f c } '						
Current squared time @1ms≤t<8.3ms Tj=25 ,Rating of per diode		I^2t	A^2s	325						
Storage temperature		T_{stg}		-55 ~ +150						
Junction temperature		T_j		-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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