



## Bridge Rectifiers

### Features

- UL recognition, file #E230084
- Universal 3-way terminals snap-on wire wrap-around or PCB mounting
- Glass passivated chip junction
- High surge current capability
- Low thermal resistance
- Solder dip 275 °C max. 7 s, per JESD 22-B106

### Typical Applications

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

### Mechanical Data

**Package:** GBPC GBPC-W  
Molding compound meets UL 94 V-0 flammability rating, RoHS-co 5 UNIT

			GBPC25005	GBPC2501	GBPC2502	GBPC2504	GBPC2506	GBPC2508	GBPC2510
Device marking code			GBPC25005	GBPC2501	GBPC2502	GBPC2504	GBPC2506	GBPC2508	GBPC2510
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 s

Current squared time @1ms t 8.3ms Tj=25 , Rating of per diode	I <sup>2</sup> t	A <sup>2</sup> S	664						
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						



# GBPC25005(W) THRU GBPC2510(W)

## Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	GBPC25005	GBPC2501	GBPC2502	GBPC2504	GBPC2506	GBPC2508	GBPC2510
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# GBPC25005(W) THRU GBPC2510(W)

## Outline Dimensions

A 28.2 28.8

B 5831 7831

GBPC-W		
Dim	Min	Max
A	28.2	28.8
B	17.1	19.1
C	10.4	12.4
D	0.95	1.05
E	7.6	8.2
F	30	/



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