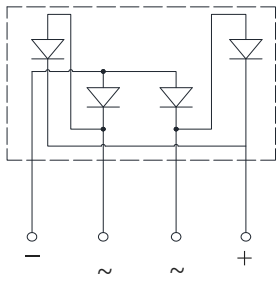
Bridge Rectifiers

Features

- UL recognition, file #E230084
- Glass passivated chip junction
- Ideal for printed circuit boards
- 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 monitor, TV, printer, power supply, switching mode power supply, adapter, audio equipment, and home appliances applications.



Mechanical Data

- **Package**: GBU
  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	GBU35005	GBU3501	GBU3502	GBU3504	GBU3506	GBU3508	GBU3510
Device marking code				GBU35005	GBU3501	GBU3502	GBU3504	GBU3506	GBU3508	GBU3510
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 =91	I_O	A	35.0						
	Without heatsink Ta =25			4.0						
Forward Surge Current (Non-repetitive) @60Hz Half-sl ŋ õ š õ @ ħ										

■Electrical Characteristics T_a=25 Unless otherwise specified

GB	SYMBOL	UNIT	TEST CONDITIONS GBU	GBU35005	GBU3501	[redacted]	GBU3504	GBU3506	GBU3508	GBU3510
Maximum instantaneous forward voltage drop per diode	V_F	V	I_{FM}=17.5A				1.05			
Maximum DC reverse current at rated DC blocking voltage per diode	I_R	μA	T_j=25				5 5			



■ Outline Dimensions

GBU		
Dim	Min	Max
A	21.80	22.30
B	18.30	18.80
C	17.50	18.00
D	3.30	3.90
E	7.10	7.50
F	5.50	5.90
G	1.91	2.54
H	2.06	2.54
I	1.02	1.27
J	4.83	5.33
K	3.30	3.56
L	2.40	2.66
M	0.46	0.56

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