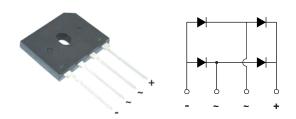




Bridge Rectifiers

GBU



Features

- ROHS compliant
- · Glass passivated chip
- High forward surge capability
- Meet MSL level 1, per J-STD-020 LF maximum peak of 250 °C
- Solder dip 260 °C / 40S
- Component in accordance to ROHS 2002/95/EC and WEEE 2002/96/WC
- UL recognition, file number E342874

Primary characteristics					
4.0A					
200V to 800V					
80A					
5uA					
1.0V					
150 °C					

Applications

Ideal for ac-to-dc bridge full wave rectification suck as SMPS, home applianes, office equipment, indusrial automation applicatios

Mechanical data

- Case: GBU
- Epoxy meets UL 94 V-0 flammability rating
- Terminals: Tin plated leads.
- Polarity: As marked.
- Mounting Torque:10cm-kg(8.8 inches-lbs)max.
- Recommended Torque:5.7 cm-kg(5 inches-lbs)

Maximum rating (Ta=25°C unless otherwise noted)

Parameter		Sym	GBU			l lm!4
			4A02	4A06	4A08	Unit
Max. repetitive peak reverse voltage		V_{RRM}	200	600	800	V
Max. RMS reverse voltage		V_{RMS}	140	420	560	V
Max. DC blocking voltage		V_{DC}	200	600	800	V
Max. average forward current		I _{F(AV)}	4A		Α	
Non-repetitive peak forward surge curren 8.3ms single half-sine-wave	nt	I _{FSM}	80		А	
Rating for fusing,1ms≤ t≤8.3ms		l ² t	27		A ² S	
Max. instantaneous forward voltage drop per diode		V_{FM}	1.0(2A)			V
Max. instantaneous reverse current at	Ta=25 °C		5		μΑ	
rated DC blocking voltage	Ta=125 °C	I _{RM}		400		μΑ
Operating junction temperature		TJ	-55 ~ +150		°C	
Storage temperature		T _{STG}	-55 ~ +150		°C	
Thermal resistance junction to ambient (Note2)		R _{J-A}	27			°C/W
Thermal resistance junction to cover (Note1)		R _{J-C}		5		°C/W

Notes

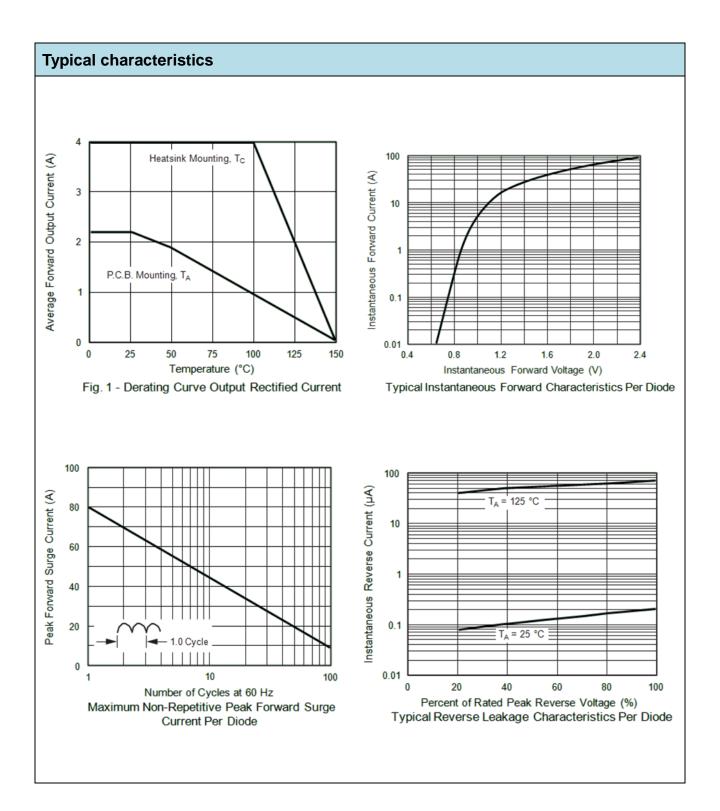
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- (1) Unit case mounted on aluminum plate heatsink
- (2) Units mounted on PCB with 0.5" x 0.5" (12 mm x 12 mm) copper pads and 0.375" (9.5 mm) lead length

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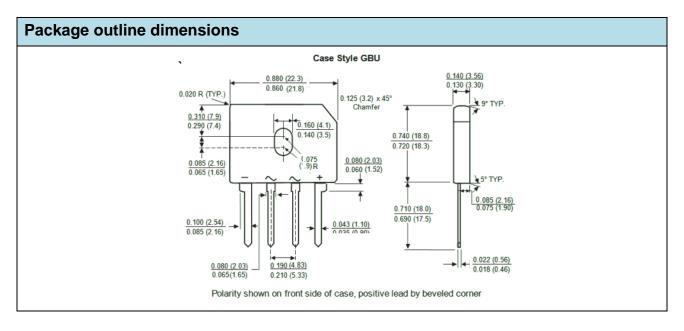


Ordering information (Example)							
PREFERRED	FERRED UNIT WEIGHT (g) PREFERRED PACKAGE CODE B.		BASE QUANTITY	DELIVERY MODE			
GBU4A06	3.404	45	20	Tube			
GBU4A06	3.404	51	250	Paper tray			



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