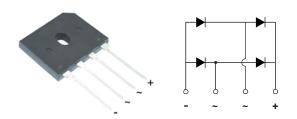




Bridge Rectifiers

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				
I _{F(AV)}	6.0A			
V_{RRM}	200V to 800V			
I _{FSM}	150A			
I _{RM}	5uA			
V _{FM} at I _F =3A	1.05V			
T _J max.	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-250C	unloce	othorwico	notod)
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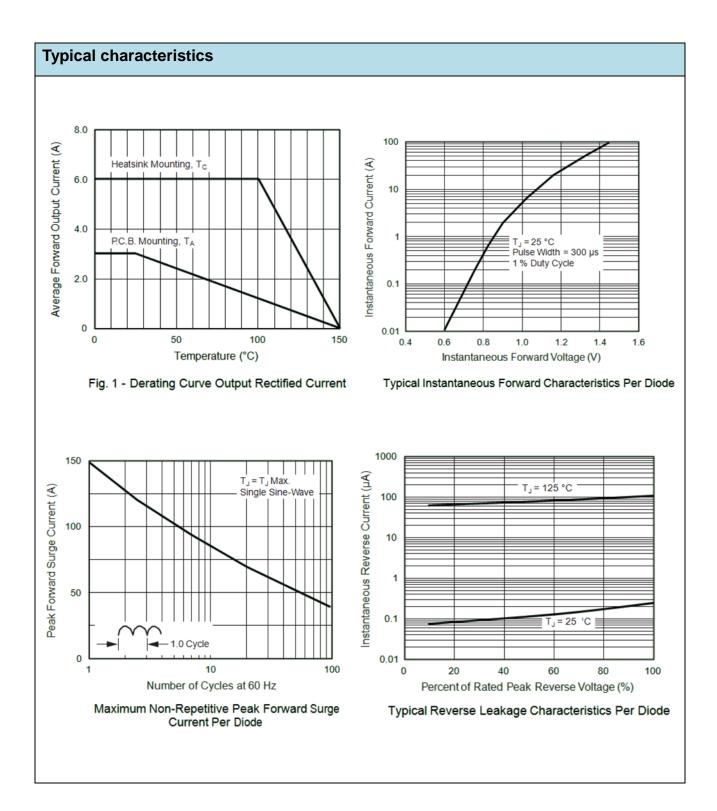
Davamatav		C	GBU			11:4
Parameter		Sym	6A02	6A06	6A08	Unit
Max. repetitive peak reverse voltage		V_{RRM}	200	600	800	V
Max. RMS reverse voltage		V_{RMS}	140	420	560	V
Max. DC blocking voltage		V_{DC}	200	600	800	V
Max. average forward current		I _{F(AV)}	AV) 6A			Α
Non-repetitive peak forward surge curre	ve peak forward surge current			^		
8.3ms single half-sine-wave		I _{FSM}	150			A
Rating for fusing,1ms≤ t≤8.3ms		l ² t	93		A ² S	
Max. instantaneous forward voltage drop per diode		V_{FM}	1.05(3A)		V	
Max. instantaneous reverse current at	Ta=25 °C	5			μΑ	
rated DC blocking voltage	Ta=125 °C	I _{RM}	250			μΑ
Operating junction temperature		TJ	-55 ~ +150		°C	
Storage temperature		T _{STG}	-55 ~ +150		°C	
Thermal resistance junction to ambient \(\cap \text{Note2} \)		R _{J-A}	23		°C/W	
Thermal resistance junction to cover (Note1)		R _{J-C}			°C/W	

Notes

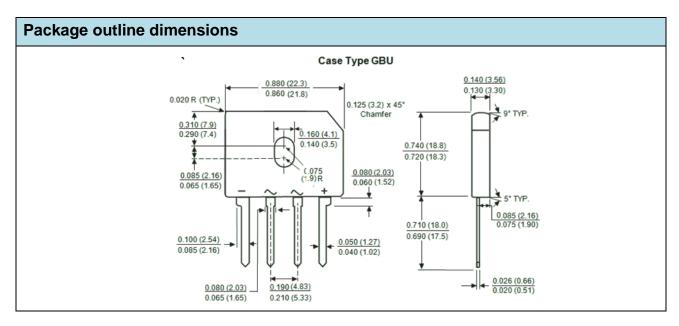
- (1) Unit case mounted on aluminum plate heatsink
- (2) Units mounted on PCB with 0.5" x 0.5" (12 mm x 12 mm) copper pads and 0.375" (9.5 mm) lead length



Ordering information (Example)					
PREFERRED	UNIT WEIGHT (g)	PREFERRED PACKAGE CODE	BASE QUANTITY	DELIVERY MODE	
GBU6A06	3.565	45	20	Tube	
GBU6A06	3.565	51	250	Paper tray	







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