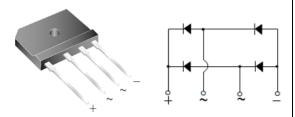


GBJ2502 thru **GBJ2508**.

Bridge Rectifiers

GBJ



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)}	25A					
V_{RRM}	200V to 800V					
I _{FSM}	350A					
I _{RM}	10uA					
V _{FM} at I _F =12.5A	1V					
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: GBJ
- 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)

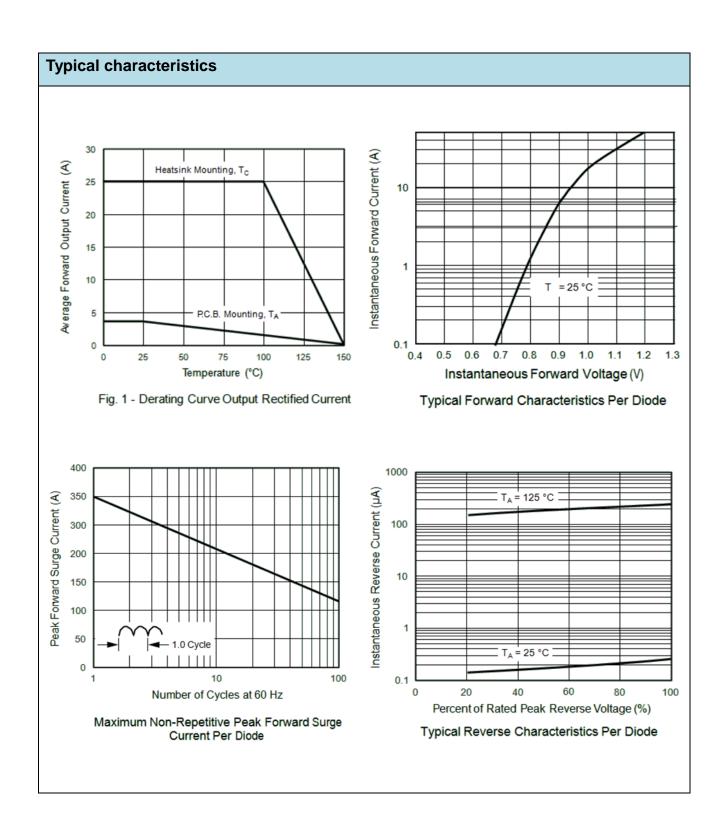
Doubleston		0	GBJ				1114
Parameter		Sym	2502	2504	2506	2508	Unit
Max. repetitive peak reverse voltage		V_{RRM}	200	400	600	800	V
Max. RMS reverse voltage		V_{RMS}	140	280	420	560	V
Max. DC blocking voltage		V _{DC}	200	400	600	800	V
Max. average forward current		I _{F(AV)}	25			Α	
Non-repetitive peak forward surge curre	forward surge current		I _{FSM} 350				^
8.3ms single half-sine-wave		IFSM				Α	
Rating for fusing,1ms≤ t≤8.3ms		l ² t	240		A ² S		
Max. instantaneous forward voltage drop per diode		V_{FM}	1(12.5A)		V		
Max. instantaneous reverse current at	Ta=25 °C			5			μA
rated DC blocking voltage	Ta=125 °C	I _{RM}	250				μΑ
Operating junction temperature		TJ	-55 ~ + 150		οС		
Storage temperature		T _{STG}	-55 ~ + 150		°C		
Thermal resistance junction to ambient (Note2)		R _{J-A}	23		°C/W		
Thermal resistance junction to cover (Note1)		R _{J-C}	1.5		°C/W		

Notes

- (1) Unit case mounted on aluminum plate heatsink
- (2) Units mounted on PCB without heatsink

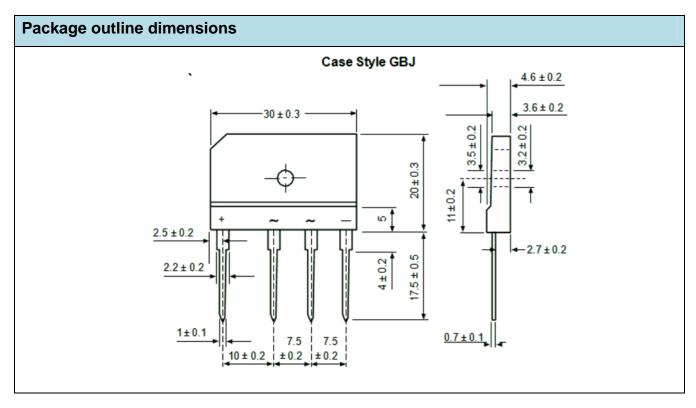


Ordering information (Example)							
PREFERRED	UNIT WEIGHT (g)	PREFERRED PACKAGE CODE	BASE QUANTITY	DELIVERY MODE			
GBJ2506	7.0	45	20	Tube			



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