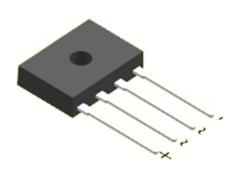




Bridge Rectifiers

P1/3

GBP



Primary characteristics						
I _{F(AV)}	4A					
V_{RRM}	600V to 1000V					
I _{FSM}	120A					
I _{RM}	5uA					
V _{FM} at I _F =2A	1V					
T⊥ max.	150 °C					

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

Applications

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

Mechanical data

- Case: GBP
- 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)

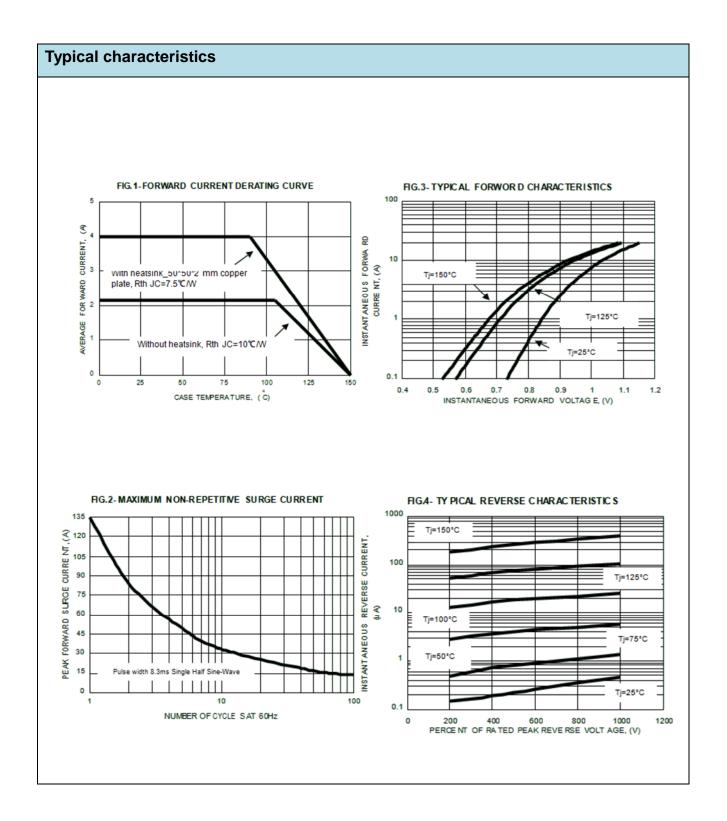
Parameter Sy		Cum	GBP			I Imit
		Sym	406	408	410	Unit
Max. repetitive peak reverse voltage		V_{RRM}	600	800	1000	V
Max. RMS reverse voltage		V_{RMS}	420	560	700	V
Max. DC blocking voltage		V_{DC}	600	800	1000	V
Max. average forward current		I _{F(AV)}	4			Α
Non-repetitive peak forward surge curren 8.3ms single half-sine-wave	t	I _{FSM}	FSM 120			А
Rating for fusing,1ms≤ t≤8.3ms		l ² t	76		A ² S	
Max. instantaneous forward voltage drop per diode		V_{FM}	1 (2A)		V	
Max. instantaneous reverse current at	Ta=25 °C	1	5			μA
rated DC blocking voltage	Ta=125 °C	I _{RM}	500			μΑ
Operating junction temperature		TJ	-55 ~ +150		°C	
Storage temperature		T _{STG}	-55 ~ +150		°C	
Thermal resistance junction to cover (Note2)		R _{J-C}	7.5		°C/W	
Typical junction capacitance (Note1)		CJ	40		pF	

Notes

- (1) Measured at 1.0 MHz and applied reverse voltage of 4.0 Volts
- (2) Device mounted on 50mm x 50mm x 2.0mm Cu Plate Heatsink

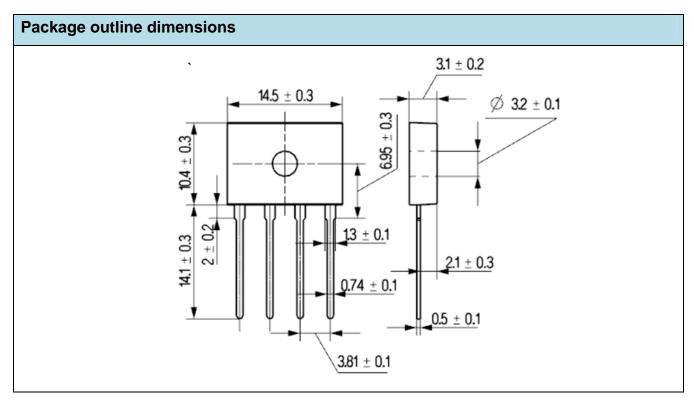


Ordering information (Example)					
PREFERRED	UNIT WEIGHT (g)	PREFERRED PACKAGE CODE	BASE QUANTITY	DELIVERY MODE	
GBP406					



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