







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)}	2.0A				
V_{RRM}	50V to 1000V				
I _{FSM}	65A				
I _{RM}	5uA				
V _{FM} at I _F =1.0A	1.0V				
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: GBL
- 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)

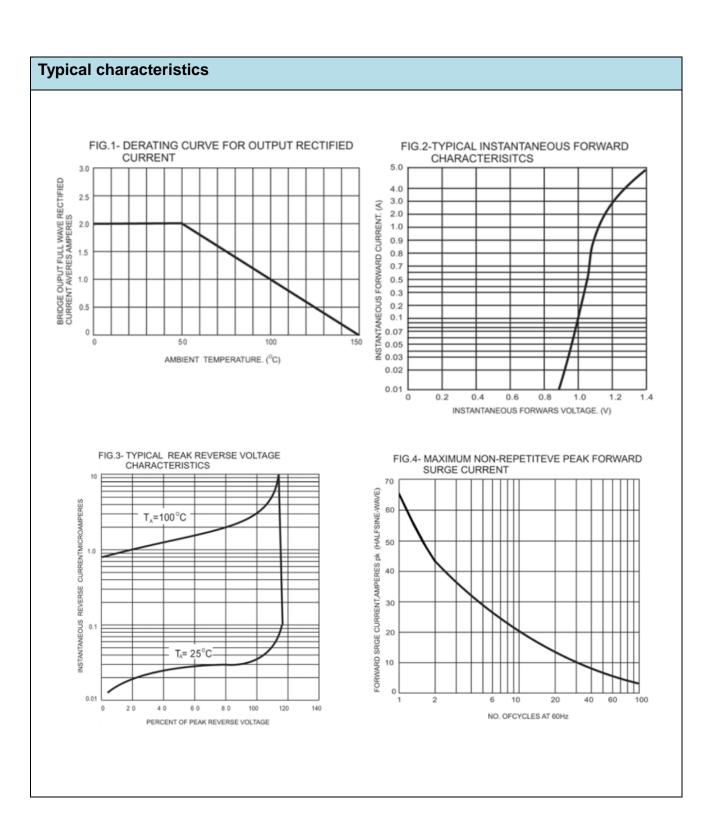
			GBL							
Parameter		Sym	GBL 2005	GBL 201	GBL 202	GBL 204	GBL 206	GBL 208	GBL 210	Unit
Max. repetitive peak reverse voltage		V _{RRM}	50	100	200	400	600	800	1000	٧
Max. RMS reverse voltage		V _{RMS}	35	70	140	280	420	560	700	V
Max. DC blocking voltage		V _{DC}	50	100	200	400	600	800	1000	V
Max. average forward current		I _{F(AV)}	2.0					Α		
Non-repetitive peak forward surge current 8.3ms single half-sine-wave		I _{FSM}	65.0				Α			
Rating for fusing,1ms ≤ t≤8.3ms		l ² t	17					A ² S		
Max. instantaneous forward voltage drop per diode		V _{FM}	1.0 (1.0)					٧		
Max. instantaneous reverse current at	Ta=25 °C		5							μA
rated DC blocking voltage	Ta=125 °C	I _{RM}	250							μΑ
Operating junction temperature		ΤJ	-55 ~ + 150					°C		
Storage temperature		T _{STG}	-55 ~ +150					°C		
Typical thermal resistance (Note1)		R J-A	32					°C/W		
		R _{J-C}	13							°C/W

Notes

⁽¹⁾ Thermal Resistance from Junction to Ambient and from Junction to Lead Mounted on P.C.B with 0.47" x 0.47" (12mm x 12mm) Copper Pads.

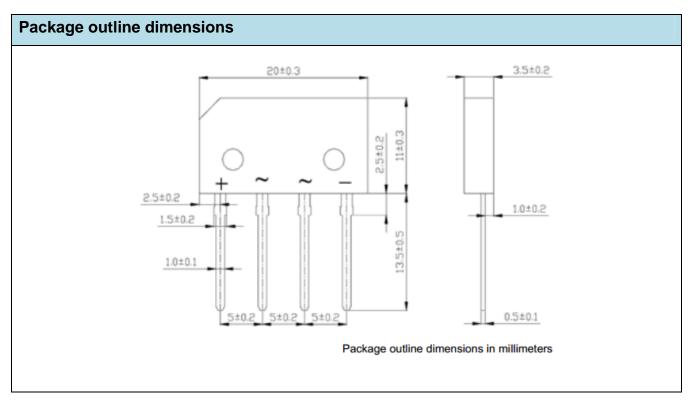


Ordering information (Example)							
PREFERRED	UNIT WEIGHT (g)	PREFERRED PACKAGE CODE	BASE QUANTITY	DELIVERY MODE			
GBL210							



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