



Glass Passivated Bridge Rectifiers

VOLTAGE | 400 to 1000 Volt | CURRENT | 4 Ampere

FEATURES

- UL Recognized File #E228882
- Plastic material has Underwriters Laboratory Flammability Classification 94V-O
- · Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique.
- Lead free in compliance with EU RoHS2.0 (2011/65/EU & 2015/865/EU directive)
- · Glass passivated chip junction

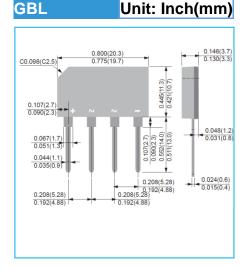
MECHANICAL DATA

· Case: GBL

•Terminals: Leads solderable per MIL-STD-750, Method 2026

· Polarity: As marked on body

• Weight: 2.24g



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°Cambient temperature unless otherwise specified.

PARAMETER	SYMBOL	GBL 404	GBL 406	GBL 408	GBL 410	UNIT
Maximum repetitive peak reverse voltage	V _{RRM}	400	600	800	1000	V
Maximum RMS voltage	V _{RMS}	280	420	560	700	V
Maximum DC blocking voltage	VDC	400	600	800	1000	V
Maximum average forward rectified current	F(AV)		А			
Peak forward surge current, 8.3 ms single half sine-wave	FSM		А			
Rating of fusing (t<8.3ms) (Note 1)	l ² t	93				A ² s
Maximum instantaneous forward voltage per diode $I_F = 2 \text{ A}$ $I_F = 4 \text{ A}$	VF			1 .1		V
Maximum reverse current $T_J = 25^{\circ}C$ @ rated V_R $T_J = 125^{\circ}C$	I _R		μΑ			
Typical junction capacitance (Note 2)	Сл		pF			
Typical thermal resistance (Note 3) (Note 4)	Rθ JA Rθ Jc	34 8				
Operating junction temperature range	TJ		°C			
Storage temperature range	Тѕтс		°C			

Note 1: Non-repetitive, for t > 1ms and < 8.3ms.

Note 2: Measured at 1MHz and applied Reverse bias of 4V DC

Note 3: Products installed on the PCB, Without heatsink •

Note 4: Products installed on aluminum plate heatsink •





TYPICAL CHARACTERISTIC CURVES

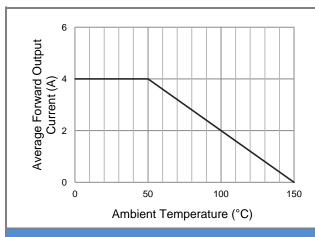


Fig.1 Forward Current Derating Curve

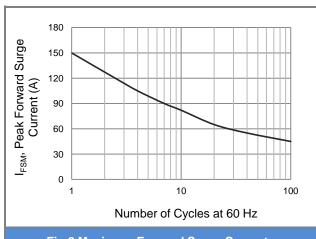


Fig.2 Maximum Forward Surge Current

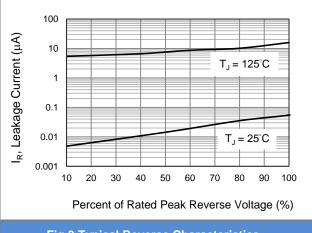


Fig.3 Typical Reverse Characteristics

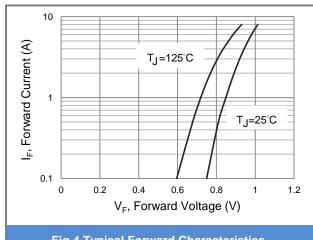
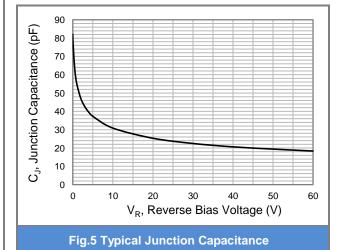


Fig.4 Typical Forward Characteristics





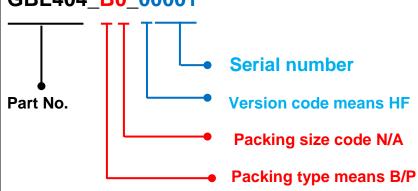


Part No_packing code_Version

GBL404_B0_00001 GBL404_B0_10001

For example:





Packing Code XX				Version Code XXXXX			
Packing type	I st Code	Packing size code	2 st Code	HF or RoHS	I st Code	2 st ~5 st Code	
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number	
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number	
Bulk Packing (B/P)	В	13"	2				
Tube Packing (T/P)	Т	26mm	X				
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y				
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U				
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D				





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