



GBL4005 thru GBL410

GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - 50 to 1000Volts

FORWARD CURRENT - 4.0Amperes

Package: GBL

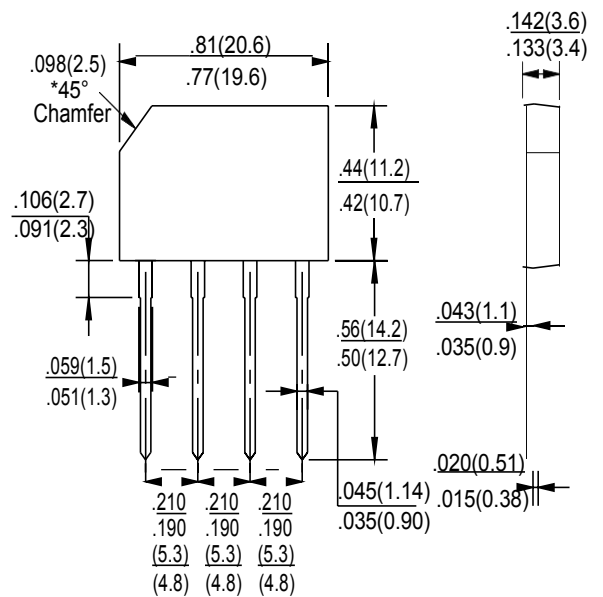
FEATURES

- Surge overload rating-125 amperes peak
- Ideal for printed circuitboard
- Plastic material has underwriters laboratory flammability classification 94V-0
- Mounting position: Any
- Weight: 0.076 ounces , 2.15 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise

specified. Single phase, half wave ,60Hz, resistive or inductive load. For capacitive load, derate current by 20%



Dimensions in millimeters

CHARACTERISTICS	SYMBOL	GBL	GBL	GBL	GBL	GBL	GBL	GBL	UNIT
		4005	401	402	404	406	408	410	
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current @ $T_A=50^{\circ}C$ (Note1)	$I_{(AV)}$	4.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I_{FSM}	125							A
Maximum Forward Voltage Drop Per Bridge Element at 4.0A Peak	V_F	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage	I_R	10.0							μA
Maximum Reverse Current at Rated DC Blocking Voltage @ $T_A=150^{\circ}C$	I_R	1.0							mA
Operating Temperature Range	T_J	-55 to +150							$^{\circ}C$
Storage Temperature Range	T_{STG}	-55 to +150							$^{\circ}C$

Note:1.Mountin conditions 0.5" lead len th maximum.



GLASS PASSIVATED BRIDGE RECTIFIERS RATING AND CHARACTERISTIC CURVES

FIG.1-MAXIMUM NON-REPETITIVE SURGE CURRENT

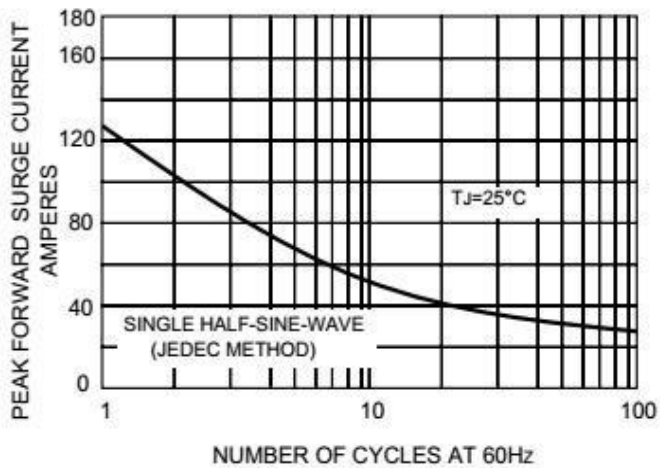


FIG.2-FORWARD DERATING CURRENT

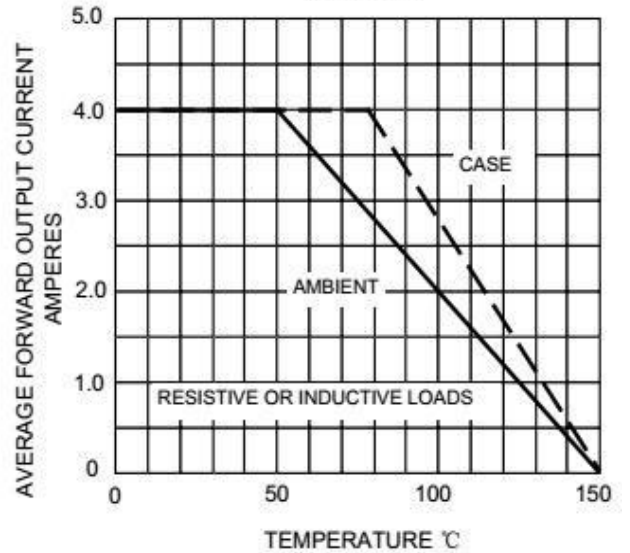


FIG.3-TYPICAL FORWARD CHARACTERISTICS

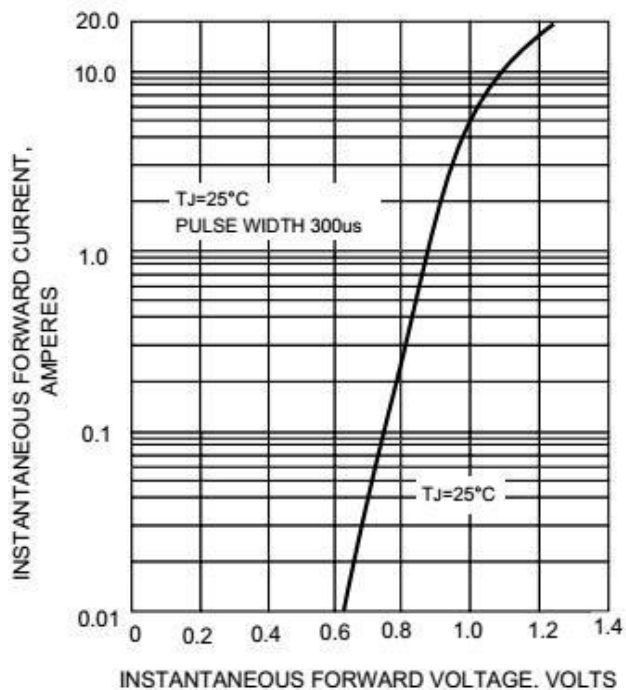
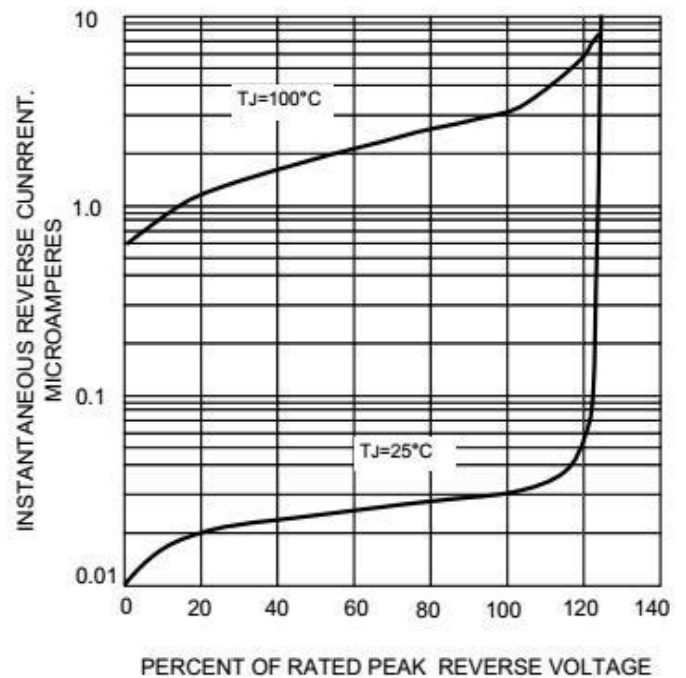


FIG.4-TYPICAL REVERSE CHARACTERISTICS





注意事项

1. 深圳市华天微电子有限公司的产品销售分为直销和销售代理，无论哪种方式，订货时请与公司核实。
2. 购买时请认清公司商标，如有疑问请与公司本部联系。
3. 在电路设计时请不要超过器件的绝对最大额定值，否则会影响整机的可靠性。
4. 本说明书如有版本变更不另外告知

NOTE

1. Shenzhen Huatianwei Electronics co., Ltd sales its product either through direct sales or sales agent , thus, for customers, when ordering , please check with our company.
2. We strongly recommend customers check carefully on the trademark when buying our product, if there is any question, please don't be hesitate to contact us.
3. Please do not exceed the absolute maximum ratings of the device when circuit designing.
4. Shenzhen Huatianwei Electronics co., Ltd reserves the right to make changes in this specification sheet and is subject to change without prior notice.

联系方式

深圳市华天微电子有限公司

公司地址：广东省深圳市龙华清湖硅谷动力清湖园A14栋3楼

电话：86-755-82047720

网址：www.htwdz.com.cn

邮箱：grf@htwdz.com.cn

CONTACT

SHENZHEN HUATIANWEI ELECTRONICS CO., LTD.

ADD: Floor 3, Building A14, Qinghu Power park, Qinghu Silicon Valley, Longhua, Shenzhen, China

TEL: 86-755-82047720

Web Site: www.htwdz.com.cn

邮箱：grf@htwdz.com.cn