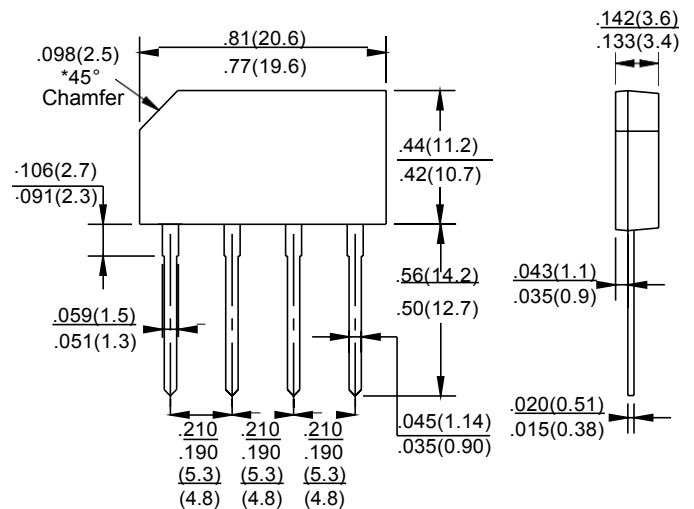


**GLASS PASSIVATED BRIDGE RECTIFIERS**REVERSE VOLTAGE - **50 to 1000Volts**FORWARD CURRENT - **6.0Amperes****Package: GBL****FEATURES**

- Rating to 1000V PRV
- Ideal for printed circuit board
- Low forward voltage drop,high current capability
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- The plastic material has U/L flammability classification 94V-0
- Weight: 0.0761ounces , 2.15grams

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 inches and (millimeters)

CHARACTERISTICS	SYMBOL	GBL 6005	GBL 601	GBL 602	GBL 604	GBL 606	GBL 608	GBL 610	UNIT
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS 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 Current @ $T_a=50^{\circ}\text{C}$	$I_{(AV)}$	6							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I_{FSM}	175							A
Maximum Forward Voltage at 3.0A DC	V_F	1.1							V
Maximum DC Reverse Current @ $T_J=25^{\circ}\text{C}$ at Rated DC Blocking Voltage @ $T_J=125^{\circ}\text{C}$	I_R	10.0 500							μA
I^2t Rating for Fusing ($t<8.3\text{ms}$)	I^2t	120							A^2s
Typical Junction Capacitance Per Element (Note1)	C_J	55							pF
Typical Thermal Resistance (Note2)	$R_{\theta JC}$	1.8							$^{\circ}\text{C}/\text{W}$
Operating Temperature Range	T_J	-55 to +150							$^{\circ}\text{C}$
Storage Temperature Range	T_{STG}	-55 to +150							$^{\circ}\text{C}$

NOTES: 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.



GLASS PASSIVATED BRIDGE RECTIFIERS RATING AND CHARACTERISTIC CURVES

FIG.1-DERATING CURVE FOR
OUTPUT RECTIFIED CURRENT

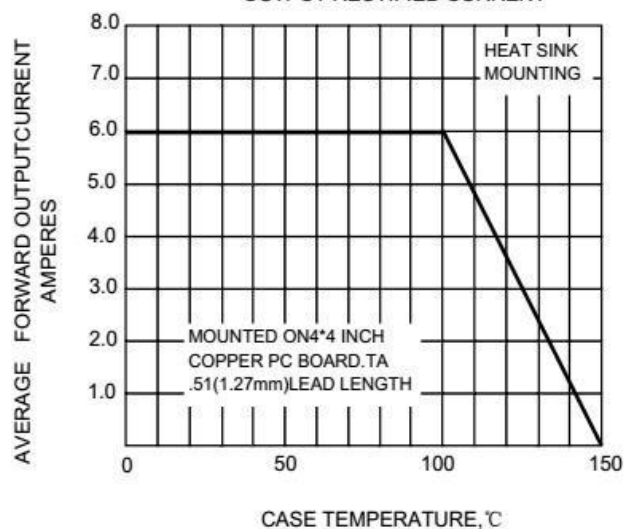


FIG.2 TYPICAL INSTANTANEOUS FORWARD
CHARACTERISTIC

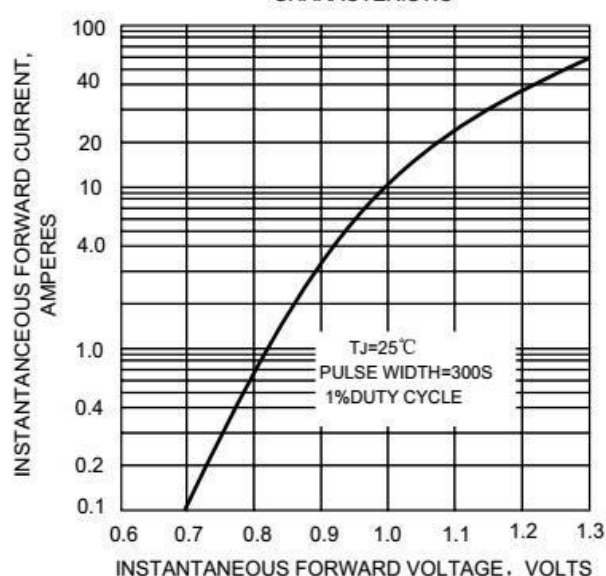


FIG.3-MAXIMUM NON-RETETITIVE PEAK
FORWARD SURGE CURRENT

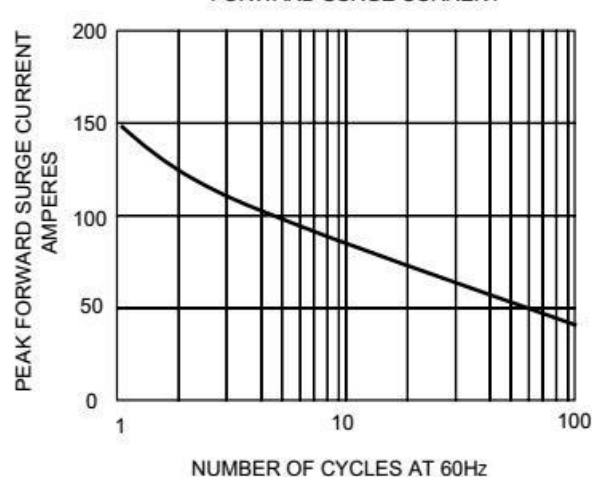


FIG.4-TYPICAL REVERSE
CHARACTERISTICS

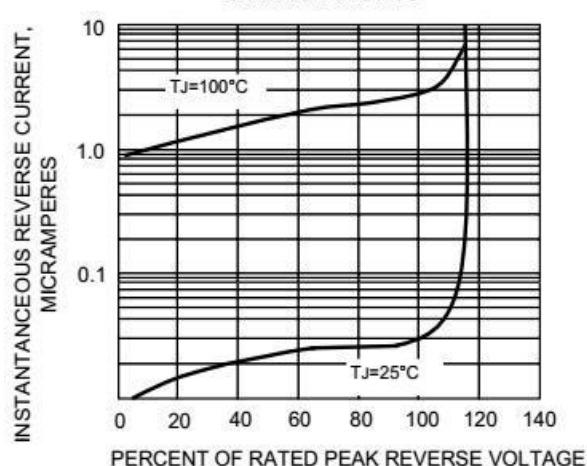
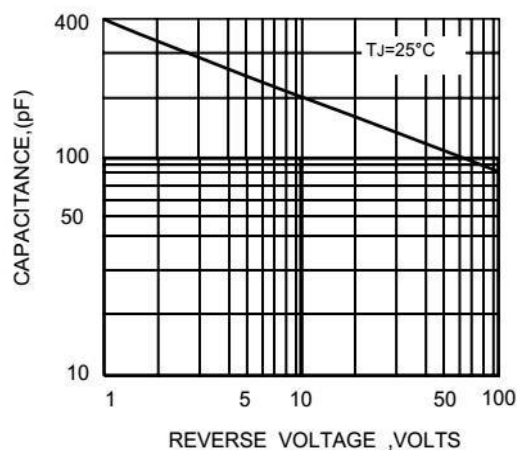


FIG.5-TYPICAL JUNCTION CAPACITANCE PER ELEMENT





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