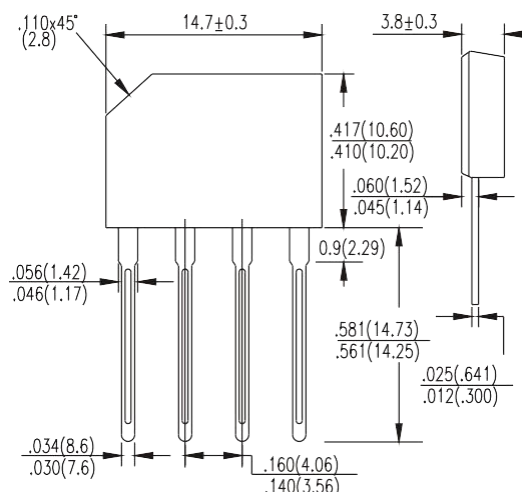


FEATURES

- UL recognized file # E149311
- Surge overload rating-80 amperes peak
- Ideal for printed circuit board
- Plastic material has Underwriters Laboratory Flammability Classification 94V-O
- Mounting position: Any
- Lead: Silver Plated Cooper Lead.



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

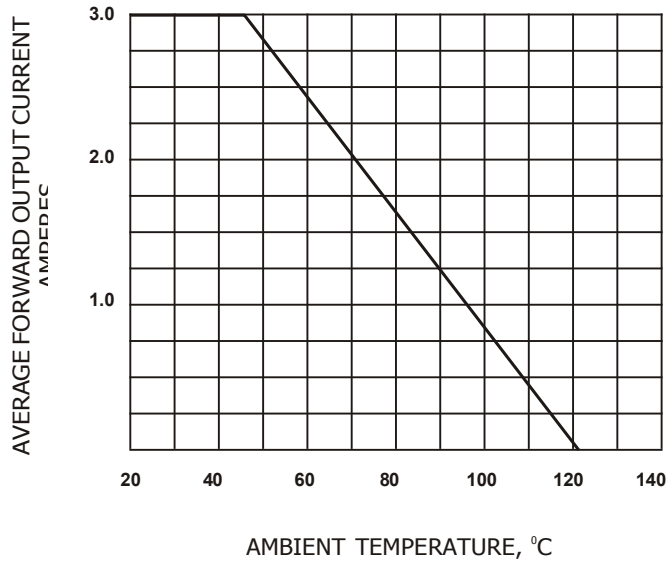
Resistive or inductive load, 60 Hz.

For capacitive load, derate current by 20%.

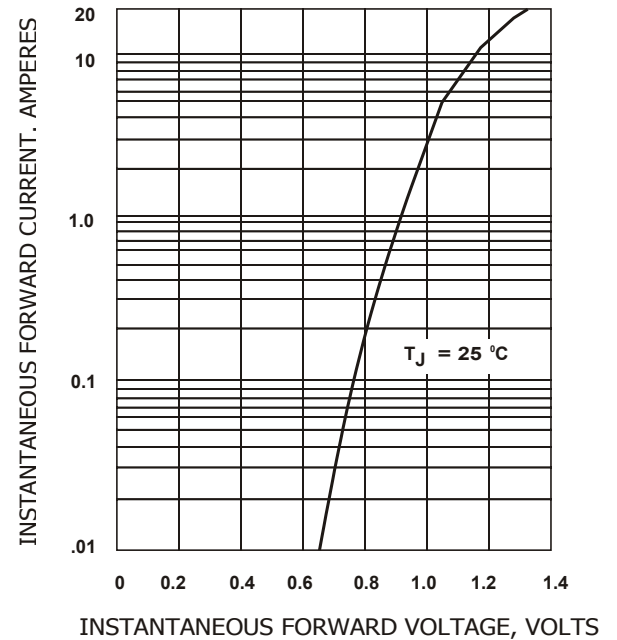
		GBP3005	GBP301	GBP302	GBP304	GBP306	GBP308	GBP310	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	60	100	200	400	600	800	1000	V
Maximum Average Forward Output Current @ $T_A=25^{\circ}C$	$V_{(AV)}$	3.0							A
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load	I_{FSM}	80							A
Maximum DC Forward Voltage drop per element at 1.0ADC	V_F	1.1							V
Maximum DC Reverse Current at rated @ $T_A=25^{\circ}C$ DC Blocking Voltage Per Element @ $T_A=100^{\circ}C$	I_R	10 1							μA mA
I^2t Rating for fusing ($t < 8.3ms$)	I^2t	10							A ² S
Operating Temperature Range	T_J	-55 to +125							°C
Storage Temperature Range	T_{STG}	-55 to +150							°C



**Fig.1 - DERATING CURVE FOR
OUTPUT RECTIFIED CURRENT**



**Fig.2 - DERATING CURVE FOR
OUTPUT RECTIFIED CURRENT**



**Fig.3 - TYPICAL FORWARD
CHARACTERISTICS**

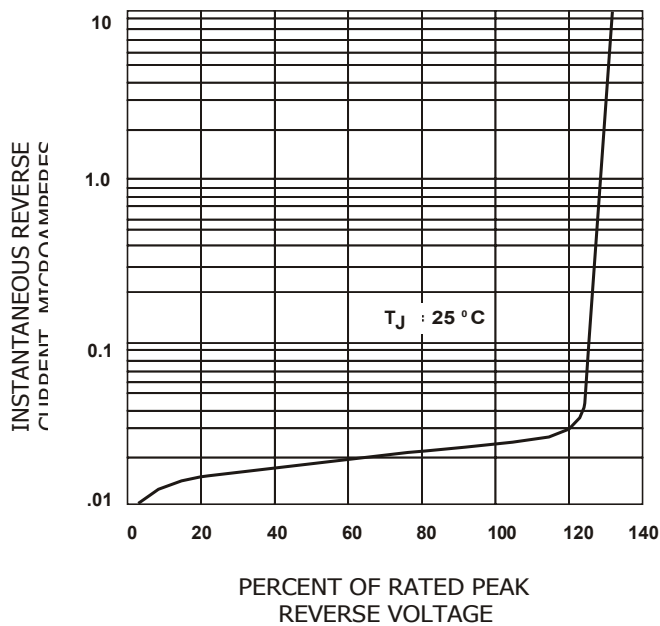
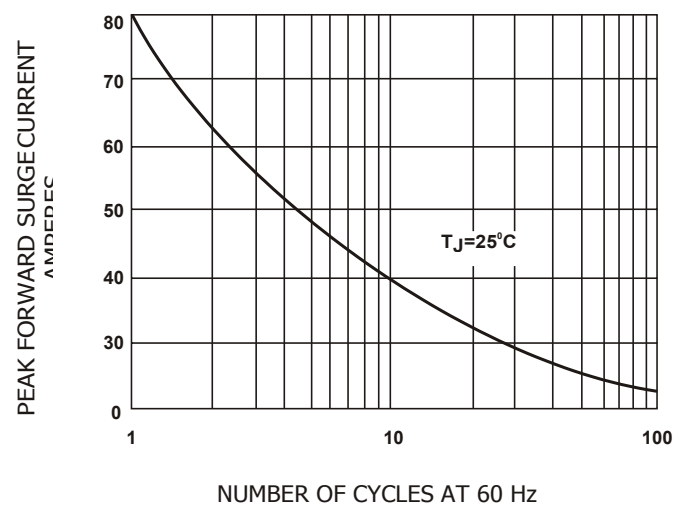


FIG.4 - MAXIMUM FORWARD SURGE CURRENT





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.

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