



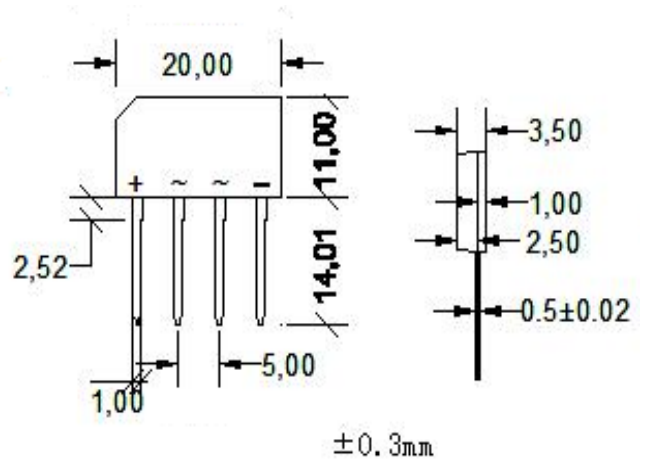
GBL3005 thru GBL310

GLASS PASSIVATED BRIDGE RECTIFIERS
 REVERSE VOLTAGE - 50 to 1000Volts
 FORWARD CURRENT - 3.0Amperes

FEATURES

- Surge overload rating - 80amperes peak
- Ideal for printed circuit board
- Plastic material has underwriters laboratory flammability classification 94V-0
- Mounting position: Any
- Weight: 0.076 ounces , 2.2 grams

Package: GBL



Dimensions in millimeters

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%

CHARACTERISTICS	SYMBOL	GBL 3005	GBL 301	GBL 302	GBL 303	GBL 306	GBL 308	GBL 310	UNIT
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°C (Note1)	I _(AV)	3.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I _{FSM}	80							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							uA
Maximum Reverse Current at Rated DC Blocking Voltage @ T _A =125°C	I _R	0.5							mA
Operating Temperature Range	T _J	-55 to +150							°C
Storage Temperature Range	T _{STG}	-55 to +150							°C

Note:1.Mounting conditions,0.5" lead length maximum.

RATING AND CHARACTERISTIC CURVES

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Fig 1-forwardCurrent derating Curve

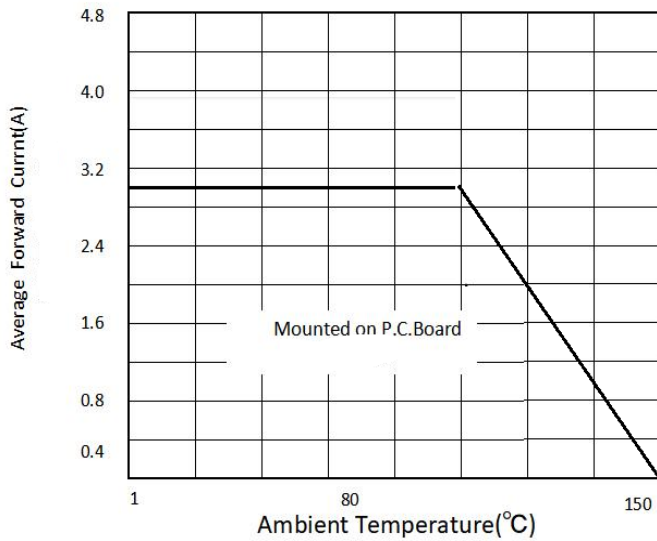


Fig.2-Maximum Non-Repetitive Surge Current

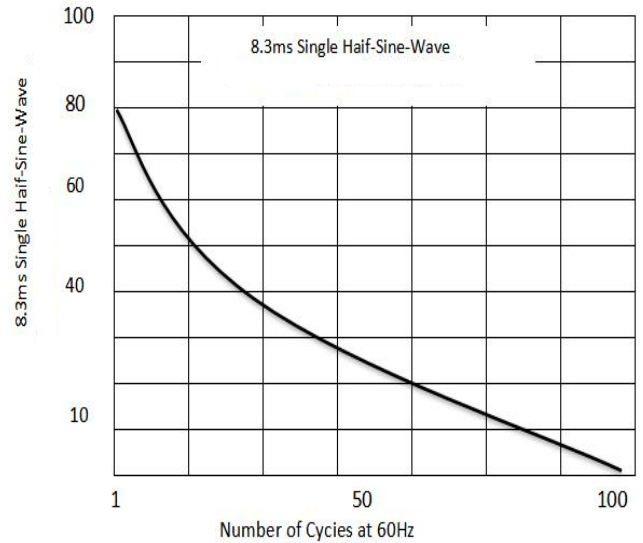


Fig.3-Typical Reverse Characteristics

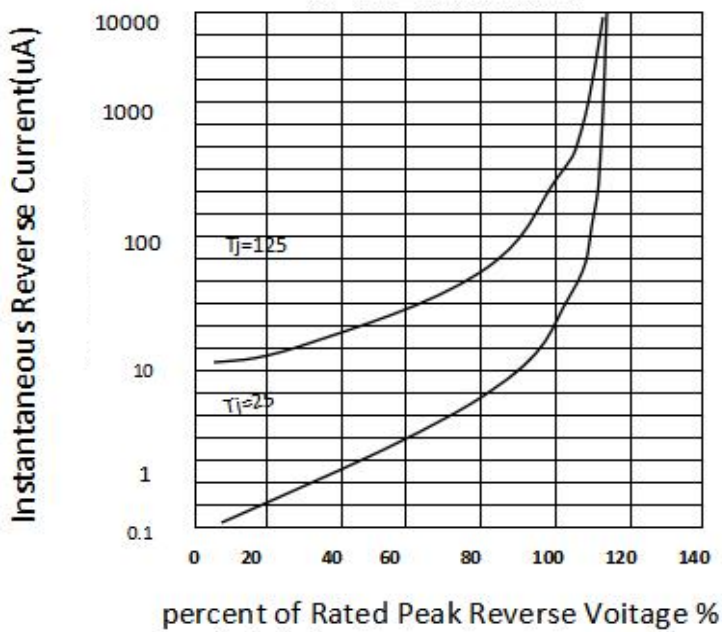


Fig.4-Typical Forward Characteristics

