

GBL2005 thru GBL210

GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - **50 to 1000**Volts

FORWARD CURRENT - **2.0**Amperes

FEATURES

Surge overload rating -80amperes peak

Ideal for printed circuit board

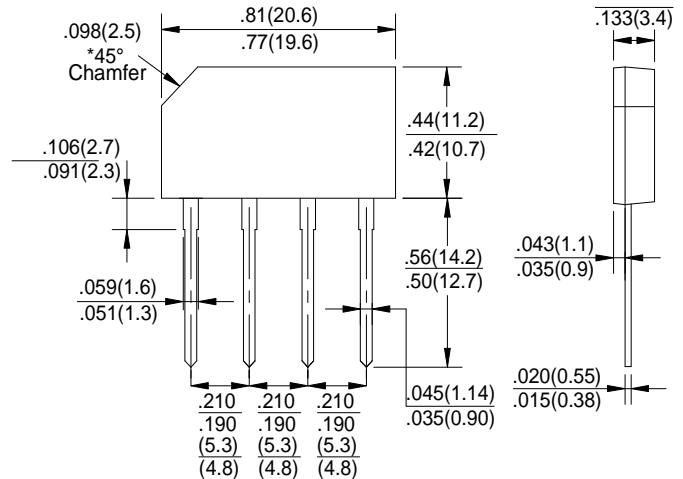
Plastic material has U/L flammability classification 94V-0

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 inches and (millimeters)

Package: GBL

CHARACTERISTICS	SYMBOL	GBL2005	GBL201	GBL202	GBL204	GBL206	GBL208	GBL210	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	I _(AV)	2.0							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 2.0A Peak	V _F	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element	I _R	10.0							uA
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @ T _A =100°C	I _R	1.0							mA
Operating Temperature Range	T _J	-55 to +150							°C
Storage Temperature Range	T _{STG}	-55 to +150							°C

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GLASS PASSIVATED BRIDGE RECTIFIERS RATING AND CHARACTERISTIC CURVES

FIG.1-FORWARD CURRENT DERATING CURVE

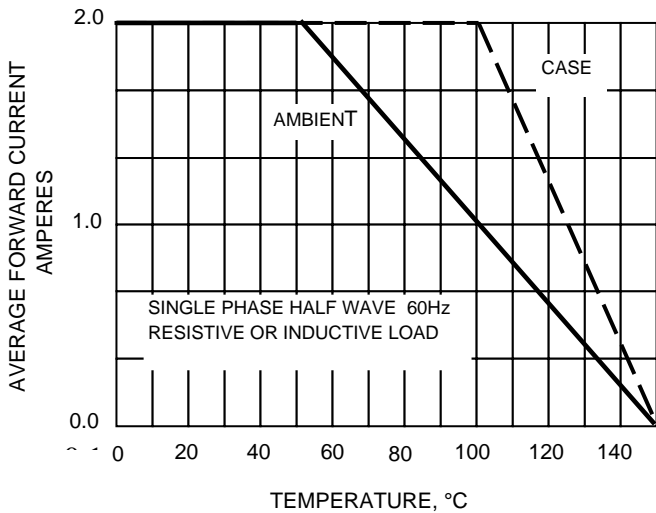


FIG.2-TYPICAL FORWARD CHARACTERISTICS

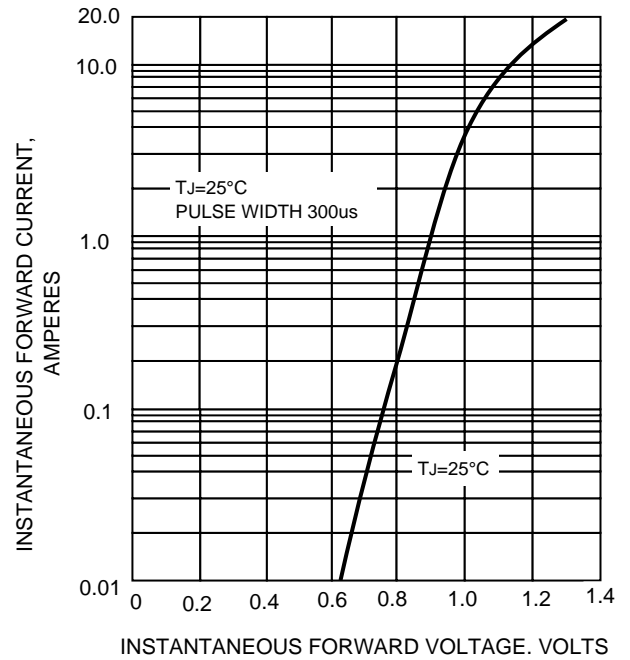


FIG.3-TYPICAL REVERSE CHARACTERISTICS

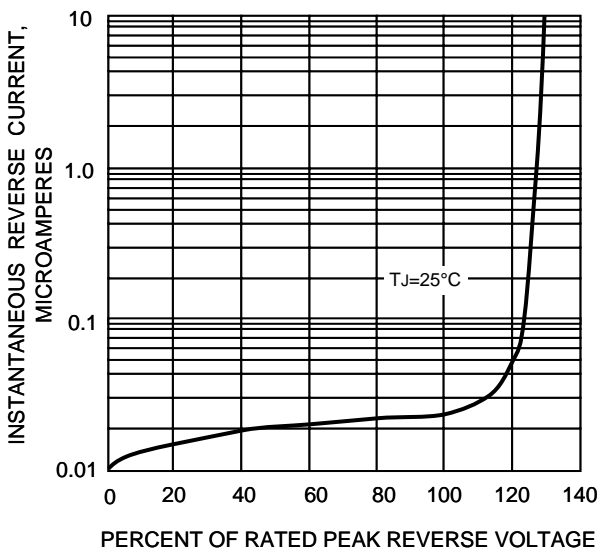


FIG.4-MAXIMUM NON-REPETITIVE SURGE CURRENT

