



GBL4AG THRU GBL4MG

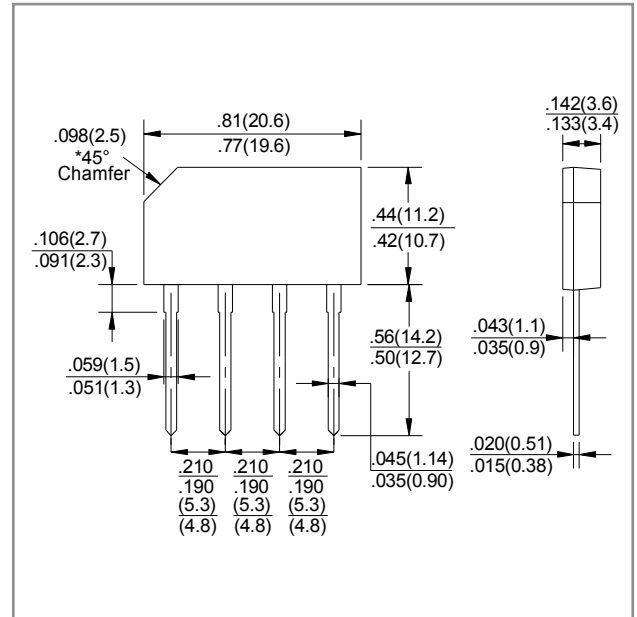
Glass Passivated Bridge Rectifiers

Volatge Rangs - 50 to 1000 Volts
Forward Current - 4.0 Amperes

Features

- Surge overload rating - 125 amperes peak
- Ideal for printed circuit board
- Plastic material has underwriters laboratory flammability classification 94V-0
- Mounting position: Any

GBL



Dimensions in inches and (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	GBL005	GBL01	GBL02	GBL04	GBL06	GBL08	GBL10	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)	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 _J =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

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

FIG.1-MAXIMUM NON-REPETITIVE SURGE CURRENT

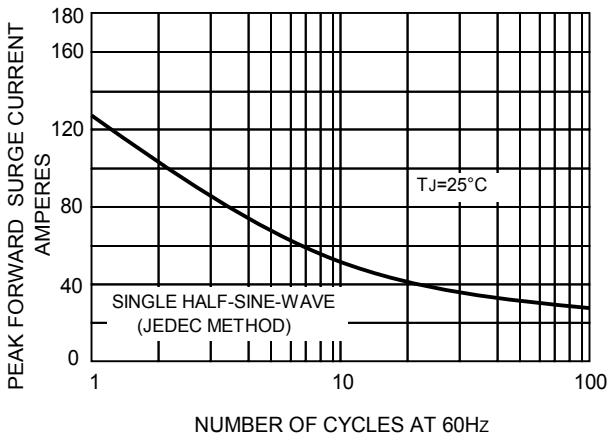


FIG.2-FORWARD DERATING CURRENT

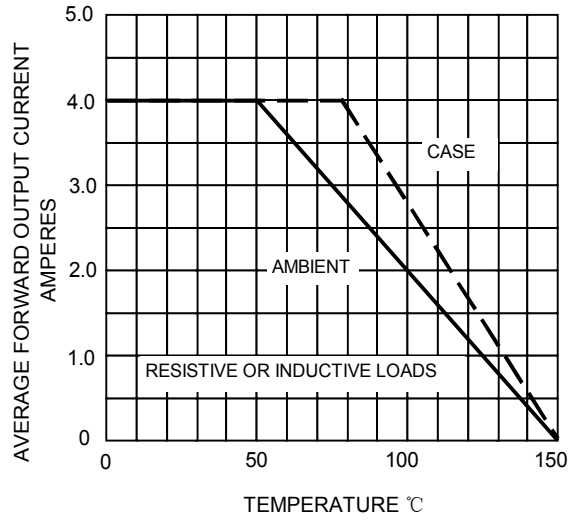


FIG.3-TYPICAL FORWARD CHARACTERISTICS

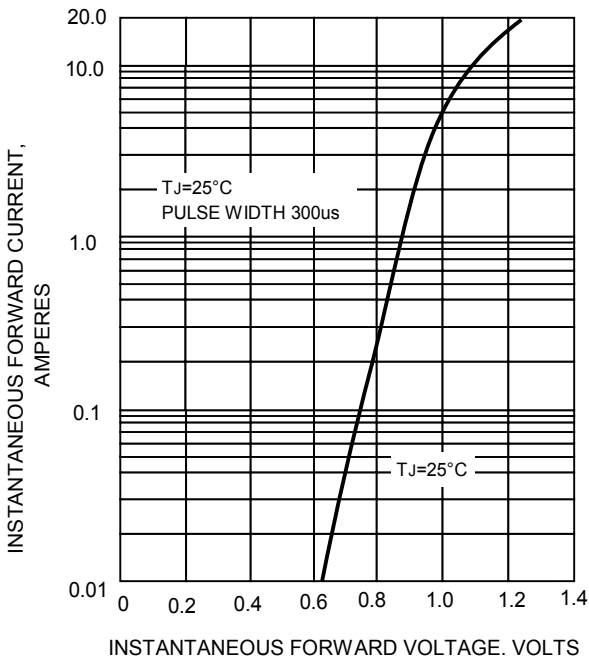


FIG.4-TYPICAL REVERSE CHARACTERISTICS

