

<b>GLASS PASSIVATED BRIDGE RECTIFIERS</b>	<b>REVERSE VOLTAGE - 50 to 1000Volts</b> <b>FORWARD CURRENT - 4.0 Amperes</b>
<p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>● Surge overload rating - 125 amperes peak</li> <li>● Ideal for printed circuit board</li> <li>● Plastic material has underwriters laboratory flammability classification 94V-0</li> <li>● Mounting position: Any</li> </ul>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <b>2GBJ</b> </div> <p style="text-align: center;">Dimensions in inches and (millimeters)</p>

## 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	VRRM	50	100	200	400	600	800	1000	V	
Maximum RMS Bridge Input Voltage	VRMS	30	70	140	280	420	560	700	V	
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V	
Maximum Average Forward Rectified Output Current @ TA=50°C (Note1)	I(AV)								4.0	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	IFSM								125	A
Maximum Forward Voltage Drop Per Bridge Element at 4.0A Peak	VF								1.1	V
Maximum Reverse Current at Rated DC Blocking Voltage	IR								10.0	uA
Maximum Reverse Current at Rated DC Blocking Voltage @ TA =150°C	IR								1.0	mA
Operating Temperature Range	TJ								-55 to +150	°C
Storage Temperature Range	TSTG								-55 to +150	°C

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

FIG.1-MAXIMUM NON-REPETITIVE SURGE CURRENT

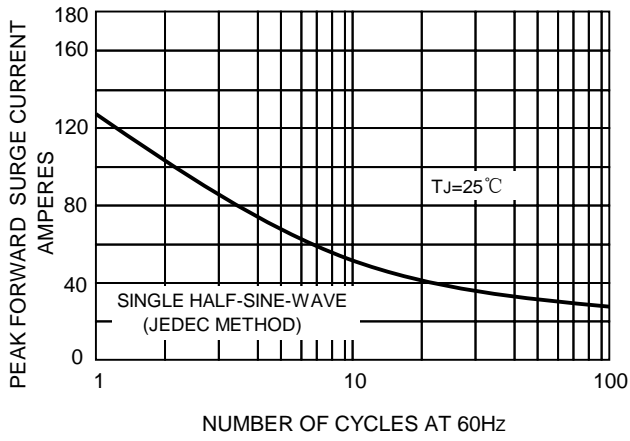


FIG.2-FORWARD DERATING CURRENT

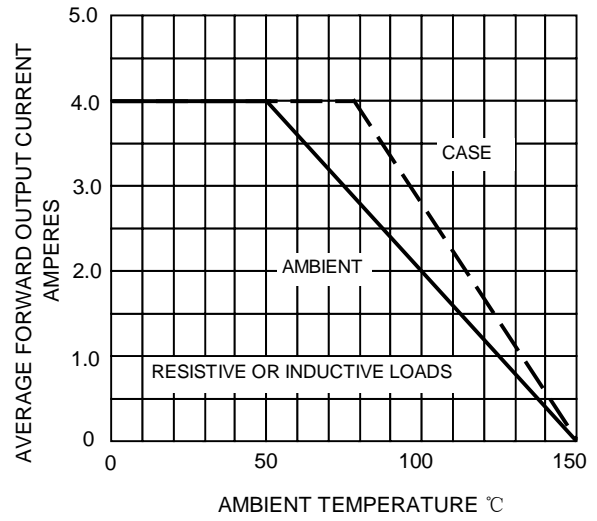


FIG.2-TYPICAL FORWARD CHARACTERISTICS

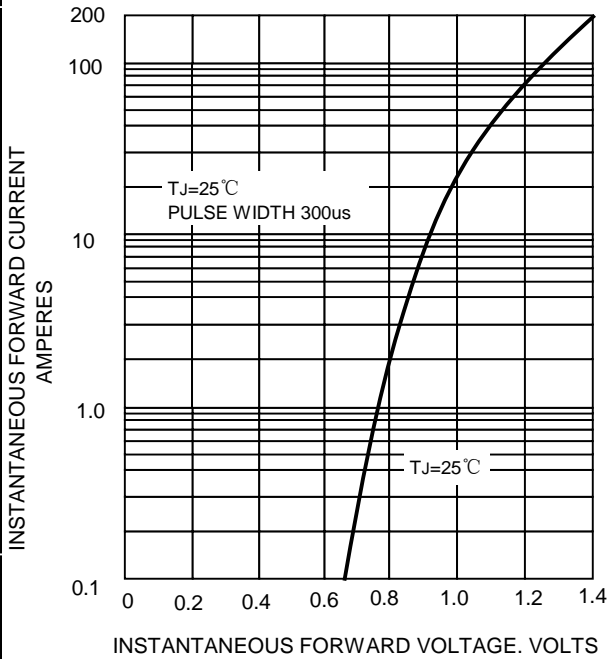


FIG.4-TYPICAL REVERSE CHARACTERISTICS

