

GLASS PASSIVATED BRIDGE RECTIFIERS	REVERSE VOLTAGE - 50 to 1000Volts FORWARD CURRENT - 6.0 Amperes
FEATURES ● Surge overload rating - 150 amperes peak ● Ideal for printed circuit board ● Plastic material has underwriters laboratory flammability classification 94V-0 ● Mounting position: Any	2GBJ Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS									
Rating at 25℃ ambient temperature unless otherwise specified.									
Single phase, half wave ,60Hz, resistive or inductive load.									
For capacitive load, derate current by 20%									
CHARACTERISTICS	SYMBOL	GBL6005	GBL601	GBL602	GBL604	GB6L06	GBL608	GBL610	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 _C =96℃ (Note1)	I _(AV)	6.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I _{FSM}	150							A
I ² t Rating for Fusing (t<8.3ms)	I ² t	93.37							A ² s
Maximum Forward Voltage Drop Per Bridge Element at 3.0A Peak	V _F	1.0							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℃	I _R	1.0							mA
Typical Thermal Resistance	R _{θJC}	4.7							℃/W
Operating Temperature Range	T _J	-55 to +150							℃
Storage Temperature Range	T _{STG}	-55 to +150							℃
Note:1.Mounting conditions,0.5″ lead length maximum.									
2.The typical data above is for reference only(典型值仅供参考).									
Rev. 1, 28-Apr-2016									



FIG. 2 – MAXIMUM NON-REPETITIVE SURGE CURRENT

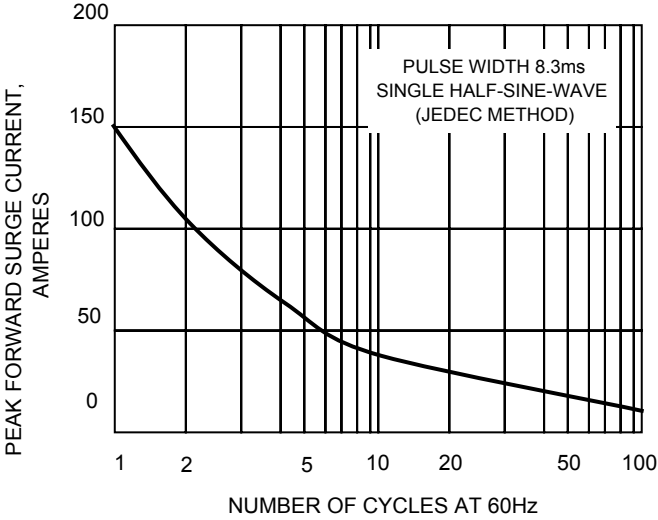


FIG.2-FORWARD DERATING CURRENT

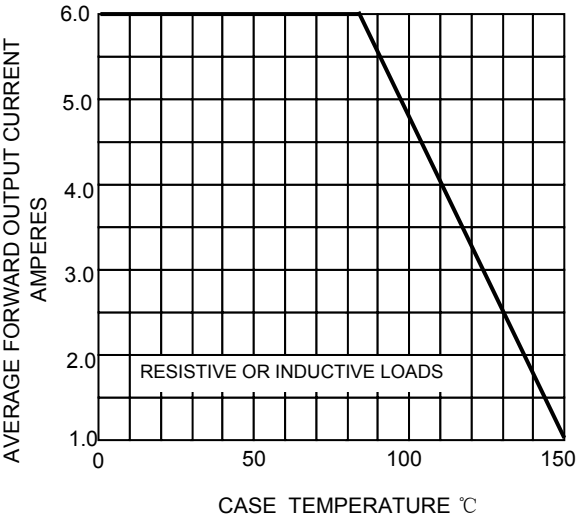


FIG.3-TYPICAL FORWARD CHARACTERISTICS

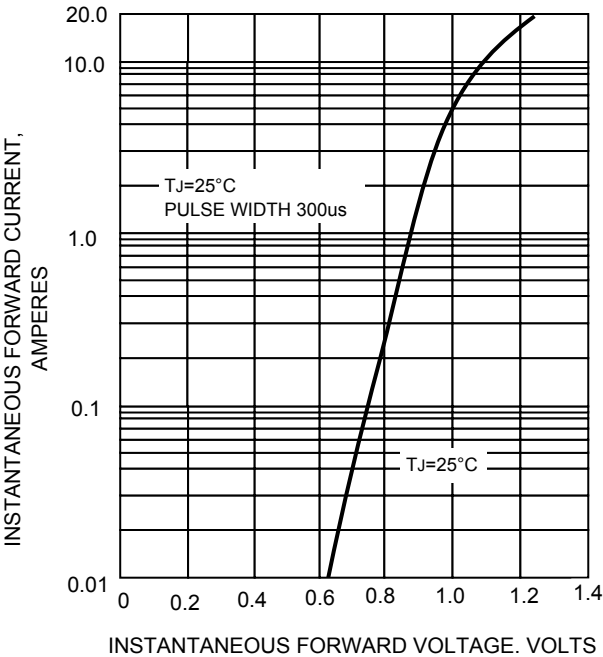
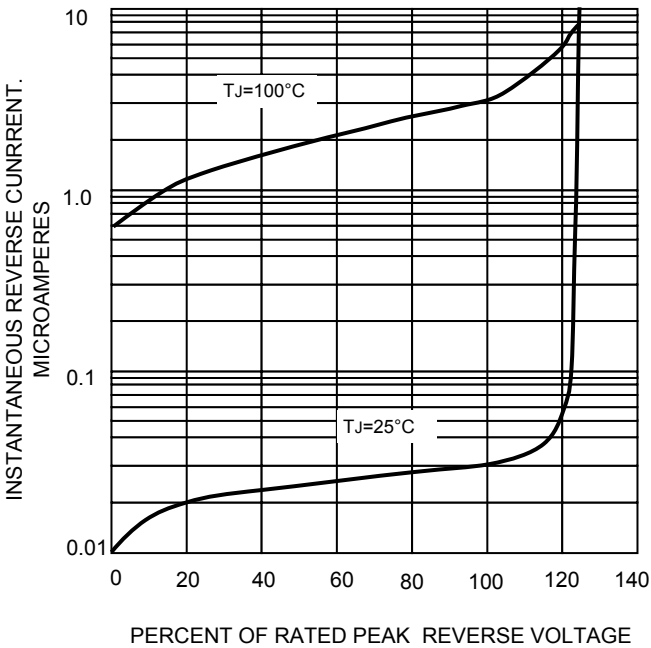


FIG.4-TYPICAL REVERSE CHARACTERISTICS





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