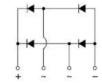


Features

- ●Rating to 1000V PRV
- Ideal for printed circuit board
- ●Low forward voltage drop,high current capability
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- The plastic material has U/L flammability classification 94V-0
- •Weight: 0.0761ounces, 2.15grams



GBL



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)		
GBL6005-GBL610	GBL	GBL6xx	500		

xx: From 005-10

Maximum Ratings (Ta=25°C unless otherwise noted)

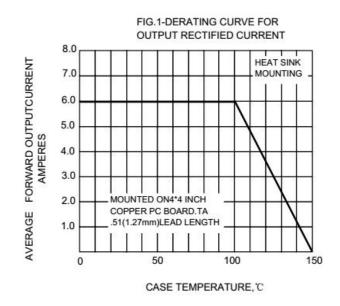
Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

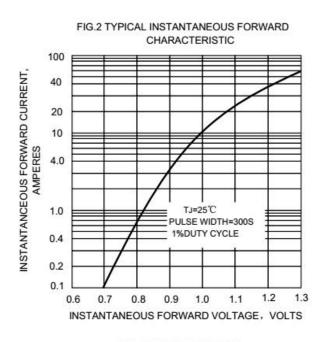
Characteristics	Symbol	GBL 6005	GBL 601	GBL 602	GBL 604	GBL 606	GBL 608	GBL 610	Unit
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	٧
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @ Ta=50°C	I(AV)	6							А
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	 FSM	175							А
Maximum Forward Voltage at 3.0A DC	VF	1.1							
Maximum DC Reverse Current @ TJ=25℃ at Rated DC Blocking Voltage @ TJ=125℃	lR	10.0 500							
I ² t Rating for Fusing (t<8.3ms)	l ² t	120							
Typical Junction Capacitance Per Element (Note1)	CJ	55							
Typical Thermal Resistance (Note2)	Rejc	1.8							°C/W
Operating Temperature Range	TJ	-55 to +150							$^{\circ}\!\mathbb{C}$
Storage Temperature Range	Tstg	-55 to +150							$^{\circ}\!\mathbb{C}$

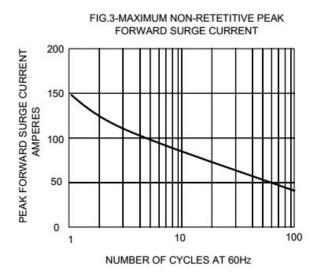
NOTES: 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.



Rating and Characteristic Curves (TA=25°C Unless otherwise noted)







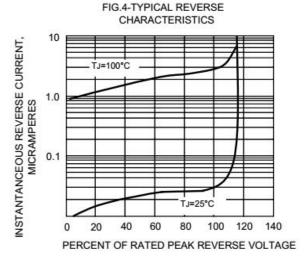
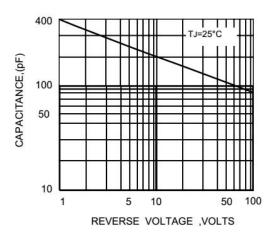
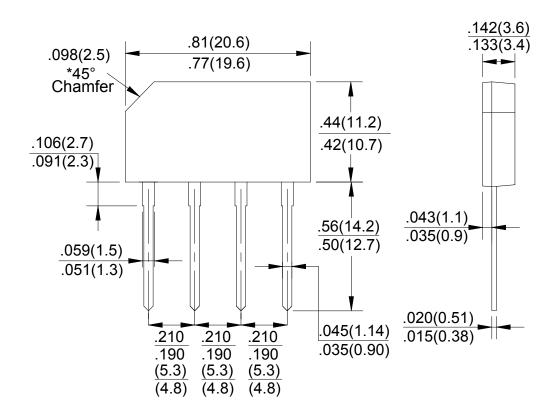


FIG.5-TYPICAL JUNCTION CAPACITANCE PER ELEMENT





GBL Package Outline Dimensions





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