

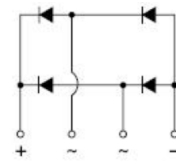


FEATURES

- 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: 0.0761 ounces , 2.15grams



GBL



Package Marking and Ordering Information

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

MAXIMUM RATINGS (Ta=25 unless otherwise noted)

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	V
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							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	IFSM	175							A
Maximum Forward Voltage at 3.0A DC	VF	1.1							V
Maximum DC Reverse Current @ TJ=25°C at Rated DC Blocking Voltage @ TJ=125°C	IR	10.0 500							uA
I ² t Rating for Fusing (t<8.3ms)	I ² t	120							A ² s
Typical Junction Capacitance Per Element (Note1)	CJ	55							pF
Typical Thermal Resistance (Note2)	RθJC	1.8							°C/W
Operating Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	TSTG	-55 to +150							°C

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



Rating and Characteristic Curves ($T_A=25^{\circ}\text{C}$ Unless otherwise noted)

FIG.1-DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

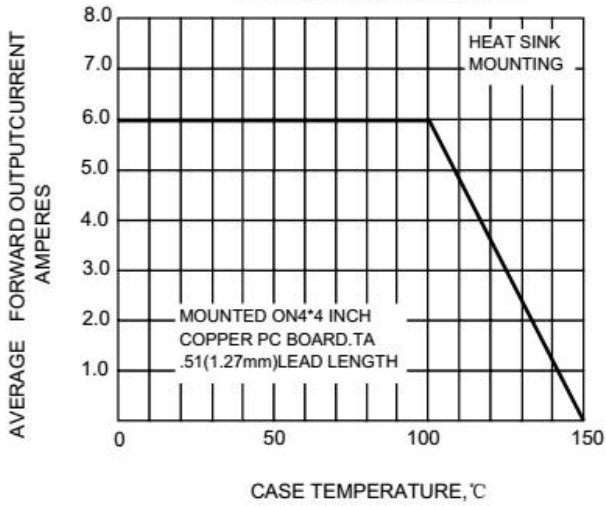


FIG.2 TYPICAL INSTANTANEOUS FORWARD CHARACTERISTIC

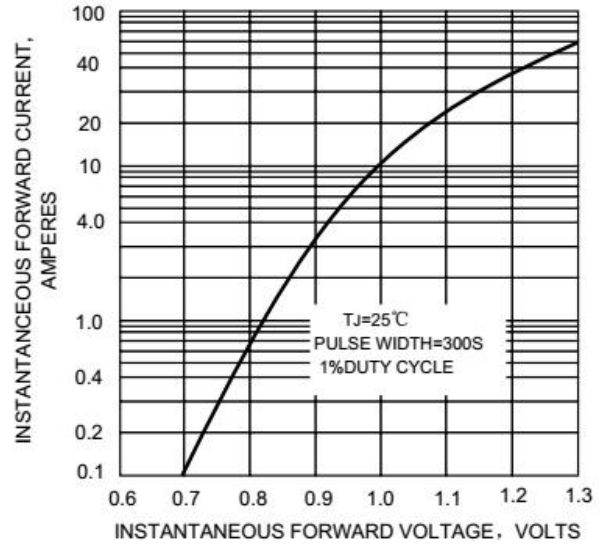


FIG.3-MAXIMUM NON-RETETITIVE PEAK FORWARD SURGE CURRENT

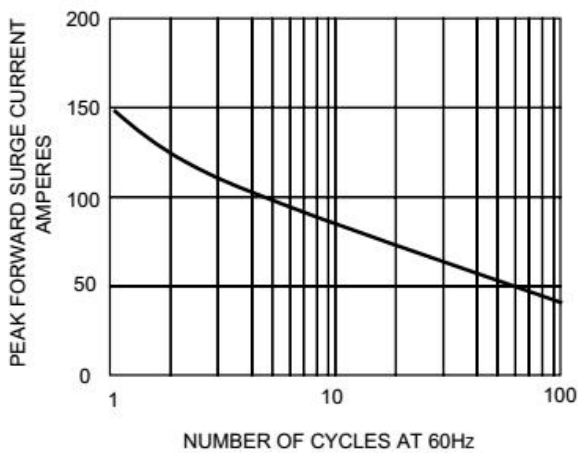


FIG.4-TYPICAL REVERSE CHARACTERISTICS

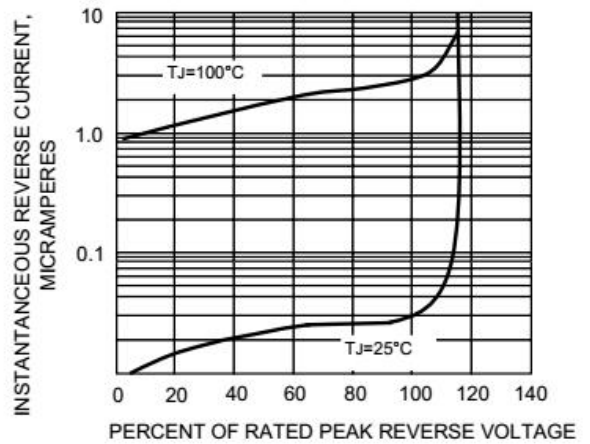
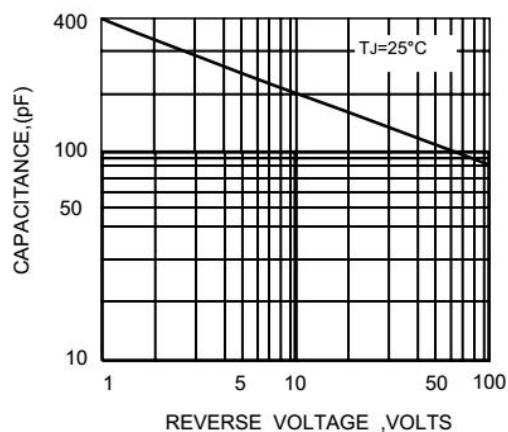
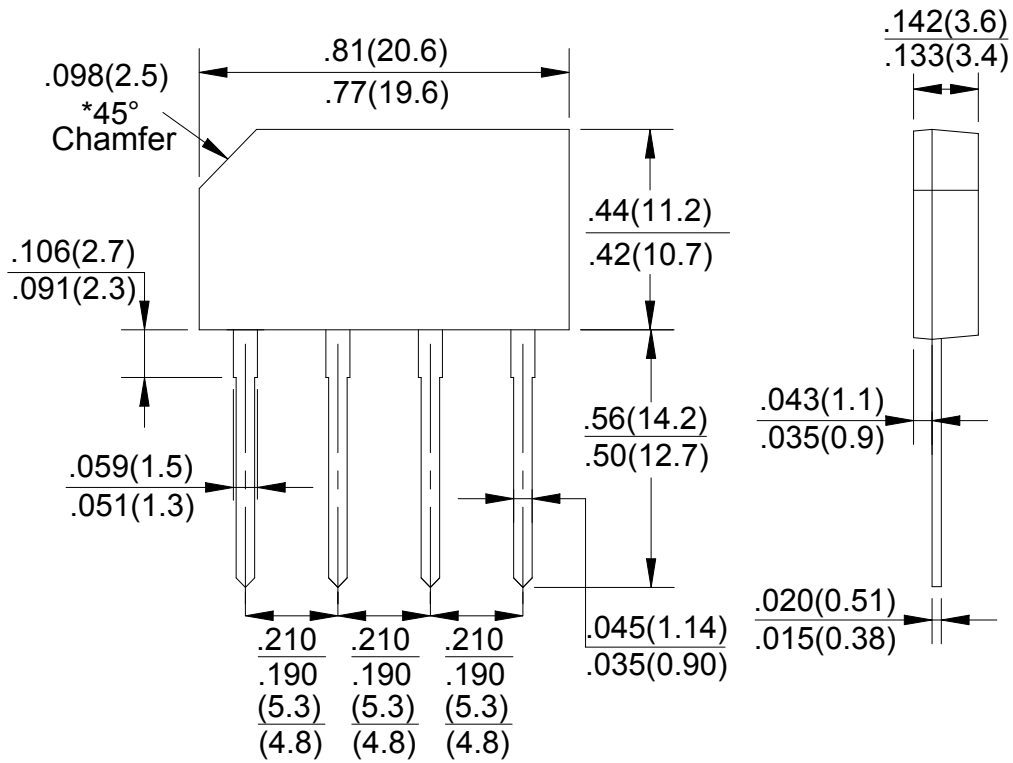


FIG.5-TYPICAL JUNCTION CAPACITANCE PER ELEMENT





GBL Package Outline Dimensions





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