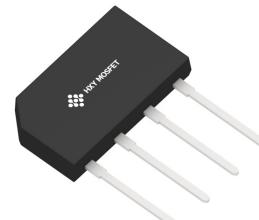


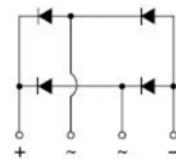


Features

- 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



Ordering Information

Product ID	Pack	Qty(PCS)
GBL610-BP	GBL	500

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

Characteristics	Symbol	GBL610-BP	Unit
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	1000	V
Maximum RMS Voltage	V _{RMS}	700	V
Maximum DC Blocking Voltage	V _{DC}	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)	I _{FSM}	175	A
Maximum Forward Voltage at 3.0A DC	V _F	1.1	V
Maximum DC Reverse Current @ T _J =25°C at Rated DC Blocking Voltage @ T _J =125°C	I _R	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)	C _J	55	pF
Typical Thermal Resistance (Note2)	R _{θJC}	1.8	°C/W
Operating Temperature Range	T _J	-55 to +150	°C
Storage Temperature Range	T _{STG}	-55 to +150	°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.1-DERATING CURVE FOR
OUTPUT RECTIFIED CURRENT

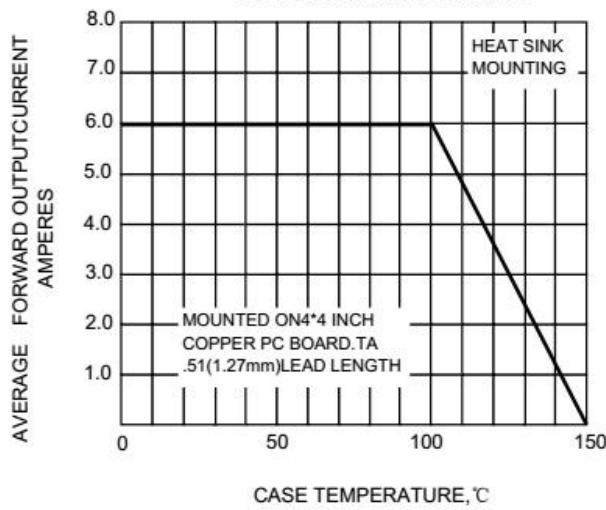


FIG.2 TYPICAL INSTANTANEOUS FORWARD
CHARACTERISTIC

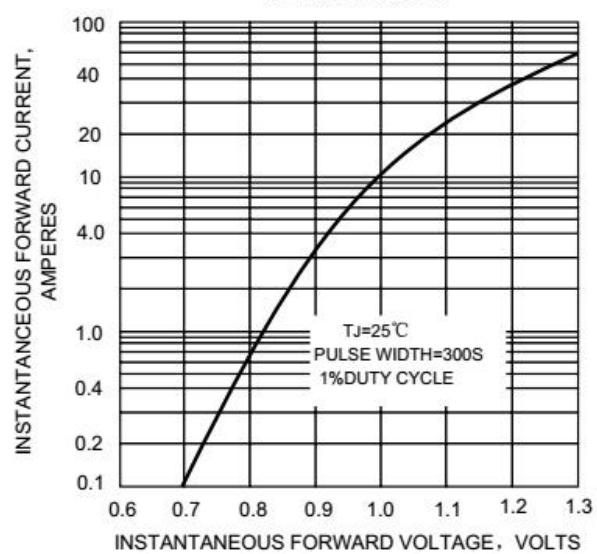


FIG.3-MAXIMUM NON-RETEITIVE PEAK
FORWARD SURGE CURRENT

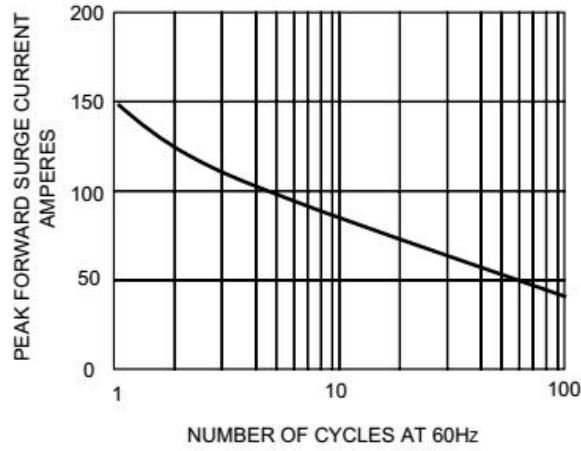


FIG.4-TYPICAL REVERSE
CHARACTERISTICS

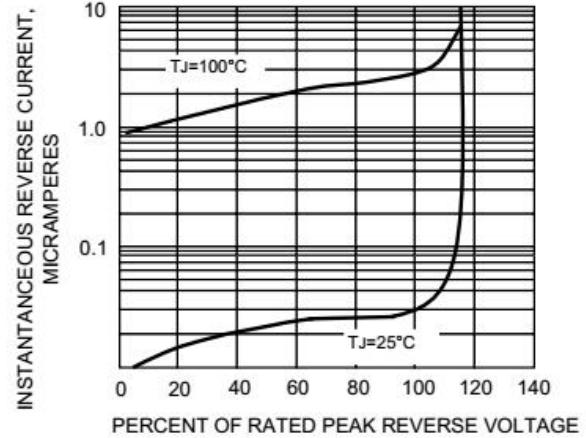
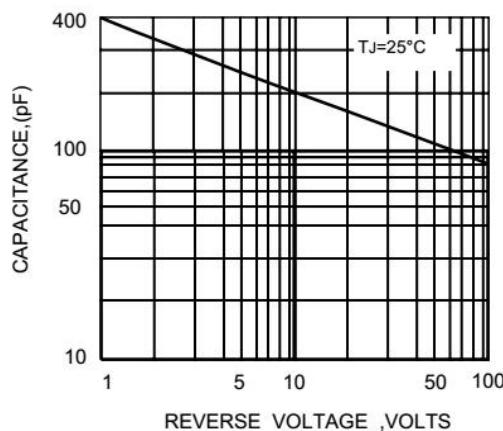
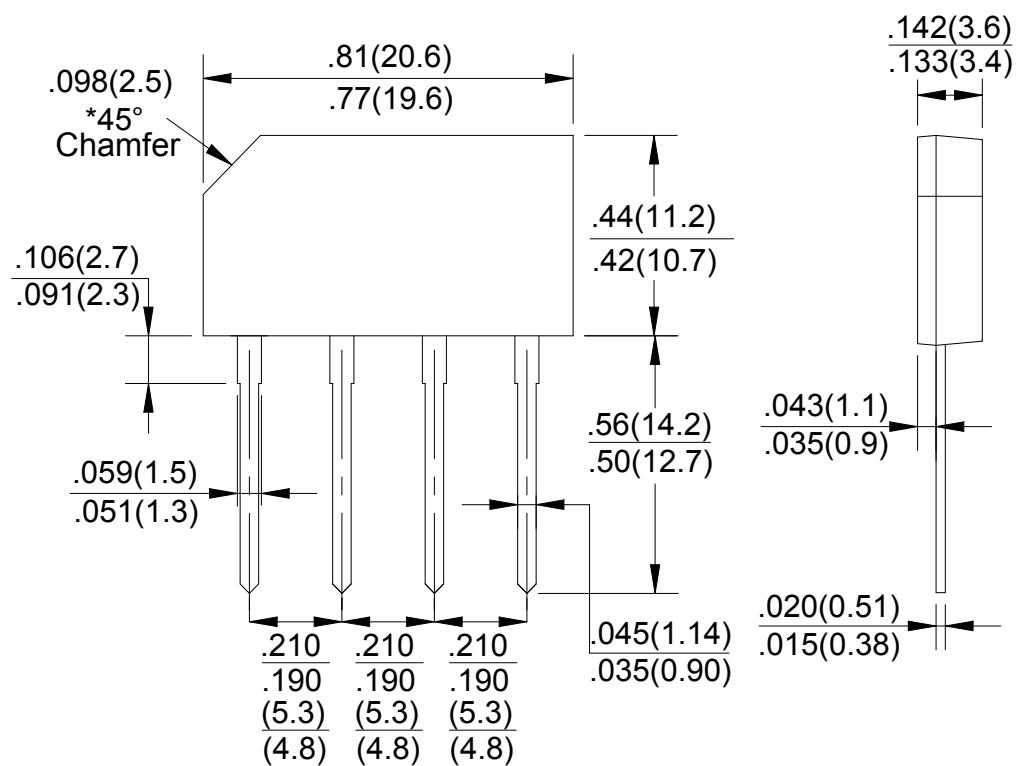


FIG.5-TYPICAL JUNCTION CAPACITANCE PER ELEMENT





GBL Package Outline Dimensions





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