

GBL6005~GBL610

BRIDGE RECTIFIERS

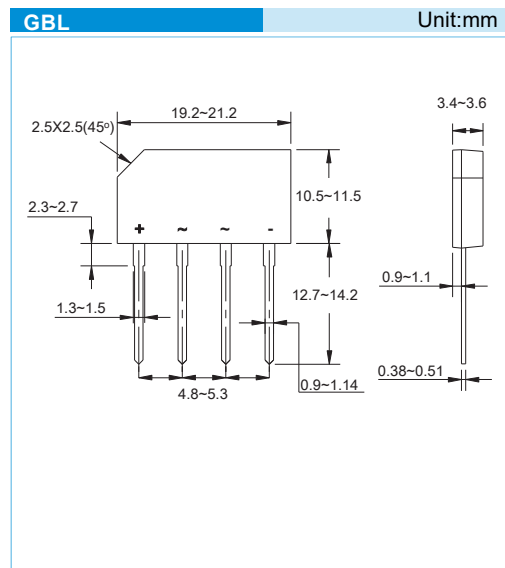
VOLTAGE	50 to 1000 Volt	CURRENT	6 Ampere
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FEATURES

- High case dielectric strength
- Glass passivated chip junction
- High surge current capability
- Lead free in compliance with EU RoHS

MECHANICAL DATA

- Case Material: Molded Plastic.
- UL Flammability Classification Rating 94V-0



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

PARAMETER	SYMBOL	GBL6005	GBL601	GBL602	GBL604	GBL606	GBL608	GBL610	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS 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 Current (see FIG.1)	$I_{F(AV)}$	6							A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	135							A
Maximum Forward Voltage at 3.0 A	V_F	1.0							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	5							μA
Thermal Resistance	$R_{\theta JA}$	47							$^{\circ}C / W$
Operating Junction Temperature Range	T_J	-55 to +150							$^{\circ}C$
Storage Temperature Range	T_{STG}	-55 to +150							$^{\circ}C$

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RATING AND CHARACTERISTIC CURVES

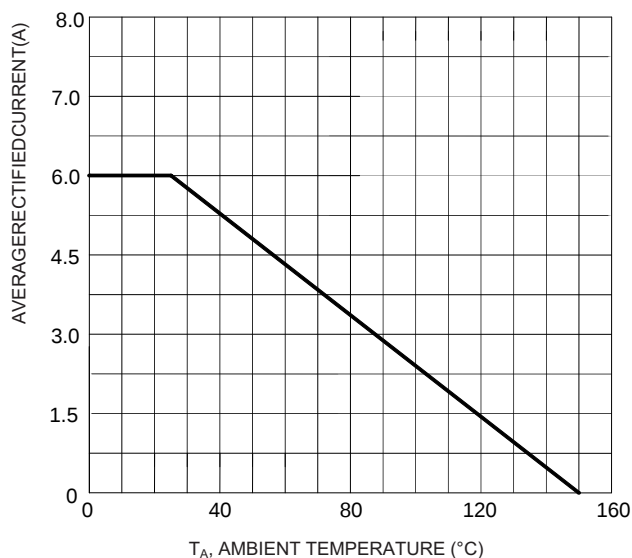


Fig. 1 Forward Current Derating Curve

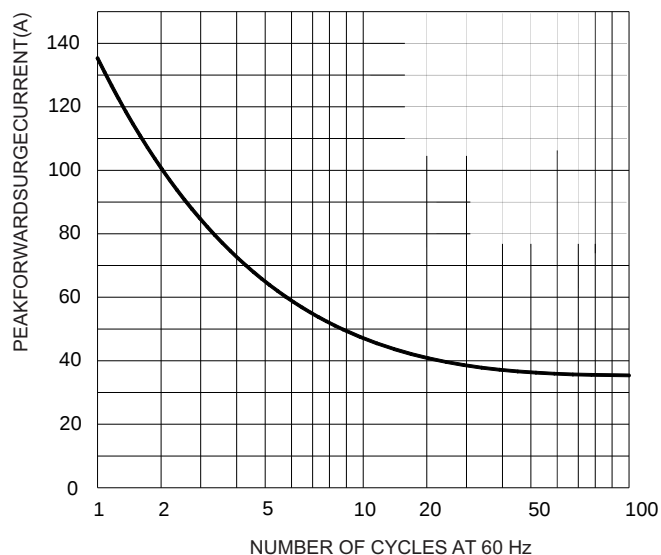


Fig. 2 Maximum Non-Repetitive Surge Current

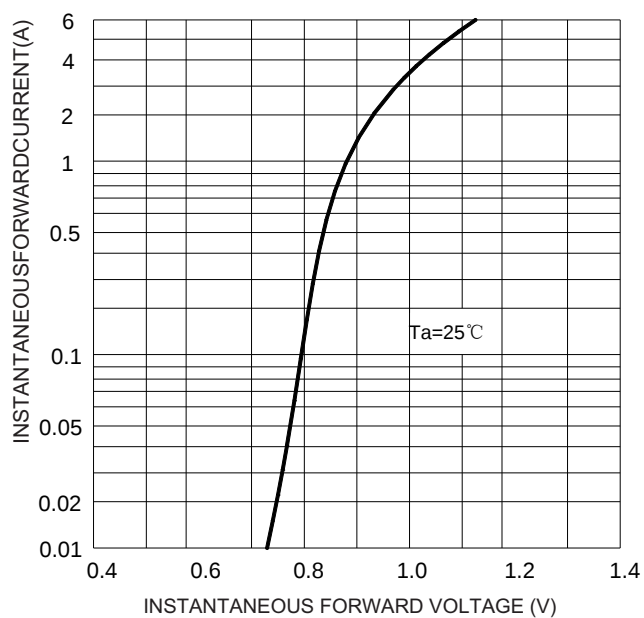


Fig. 3 Typical Forward Characteristics

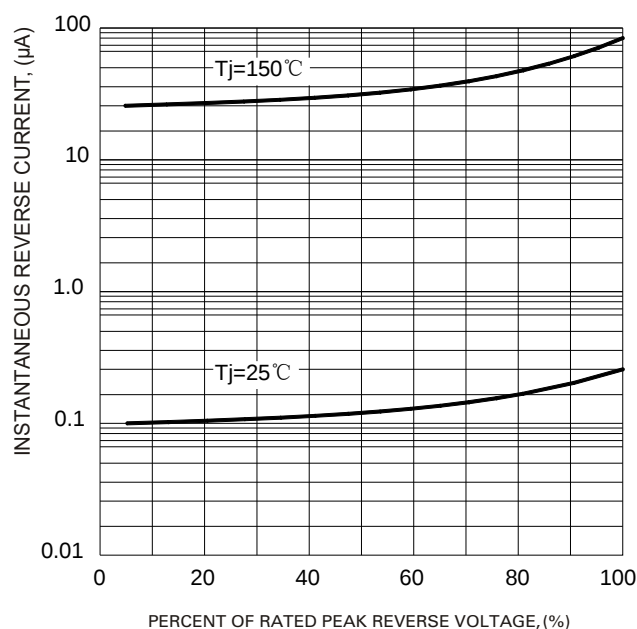


Fig. 4 Typical Reverse Characteristics

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ORDER INFORMATION

- Packing information

Part Number	Case	DELIVERY MODE	QUANTITY
GBL6005~GBL610	GBL	BULK	6000/Ctn