



FEATURES

- * Ideal for printed circuit board
- * Low forward voltage
- * Low leakage current
- * Polarity: marked on body
- * Mounting position: Any

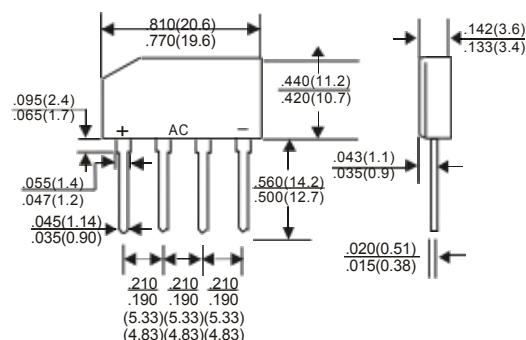
VOLTAGE RANGE

50 to 1000 Volts

CURRENT

6.0 Amperes

GBL



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Rating 25 C ambient temperature unless otherwise specified.
Single phase half wave, 60Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

TYPE NUMBER	GBL6005	GBL601	GBL602	GBL604	GBL606	GBL608	GBL610	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current .375"(9.5mm) Lead Length at Ta=50 C	6.0							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	150							A
Maximum Forward Voltage Drop per Bridge Element at 3.0A D.C.	1.0							V
Maximum DC Reverse Current Ta=25 C	10							μA
at Rated DC Blocking Voltage Ta=100 C	500							A
Operating Temperature Range, Tj	-65 — +150							C
Storage Temperature Range, Tstg	-65 — +150							C

RATING AND CHARACTERISTIC CURVES (GBL6005 THRU GBL610)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

AVERAGE FORWARD CURRENT, (A)

FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

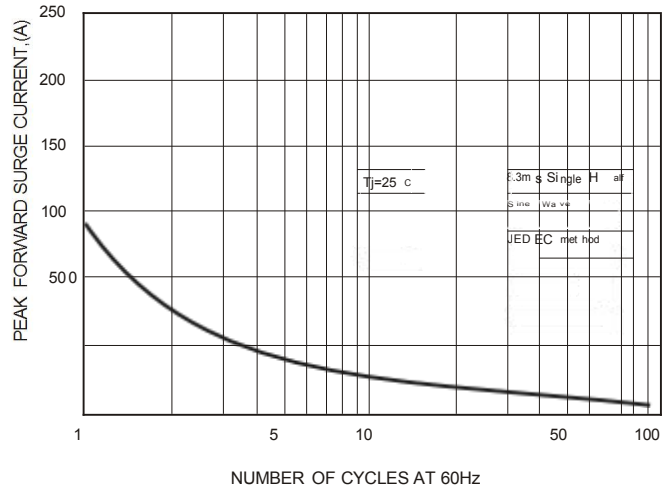


FIG.3-TYPICAL FORWARD CHARACTERISTICS

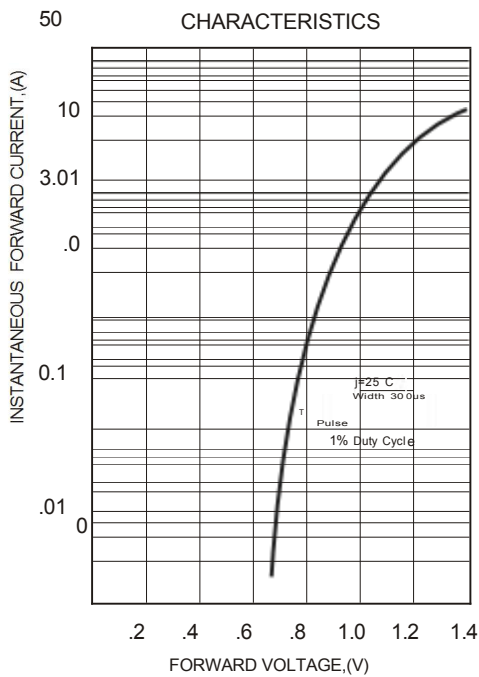


FIG.4-TYPICAL REVERSE CHARACTERISTICS

