



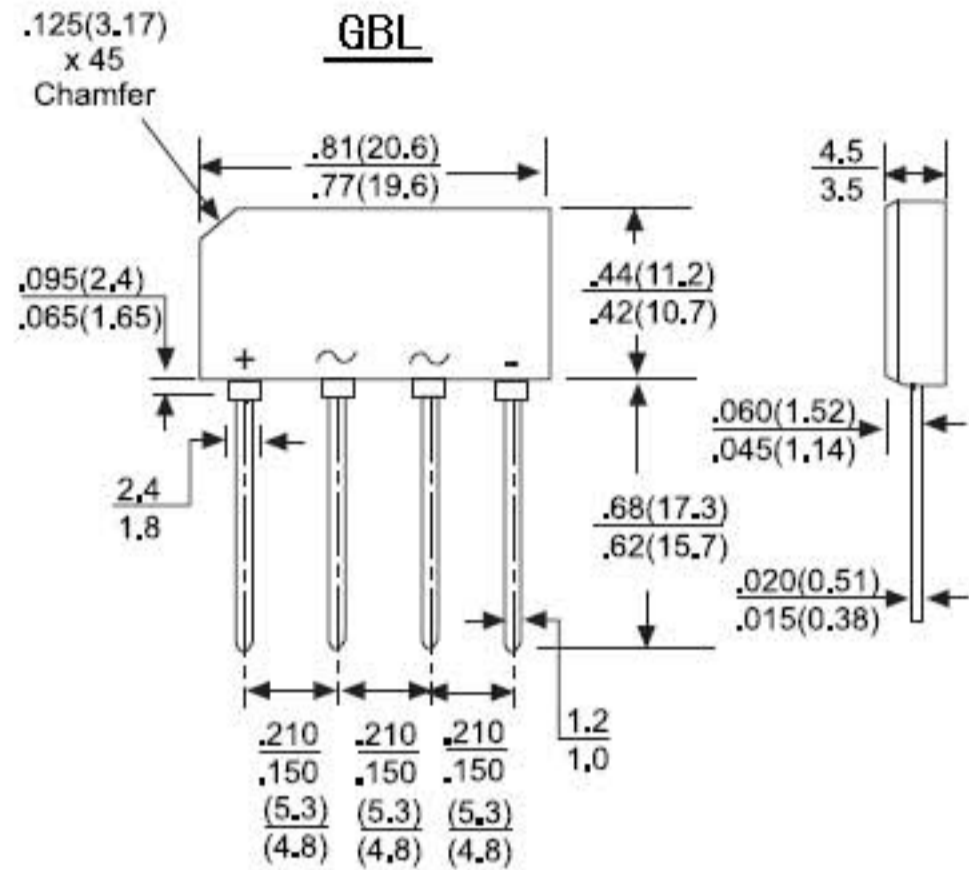
GBL005 THRU GBL10

**SINGLE PHASE 4.0AMPS.
GLASS PASSIVATED BRIDGE
RECTIFIERS**

**Voltage Range
50 to 1000 Volts
Current
4.0 Amperes**

FEATURES

- Surge overload rating - 150 amperes peak
- Ideal for printed circuit board
- Plastic material has Underwriters Laboratory Flammability Classification 94V-0
- Mounting position: Any



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.
Resistive or inductive load, 50Hz.
For capacitive load, derate current by 20%

Type Number		GBL005	GBL01	GBL02	GBL04	GBL06	GBL08	GBL10	UNITS
Maximum Repetitive Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Bridge 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 Output Current @TA = 50°C (Note 1)	IF(AV)	4.0							A
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load	IFSM	150							A
Maximum Instantaneous Forward Voltage Drop per Leg @ 4.0A	VF	1.1							V
Maximun DC Reverse Current at @TA = 25°C Rated DC Blocking Voltage @TA = 125°C	IR	5 1.0							µA mA
Operating and Storage Temperature Range	TJ, TSTG	-55 to +150							°C

NOTES: 1. Mounting conditions, 0.5" lead length maximum.



FIG.1 - MAXIMUM NON-REPETITIVE SURGE CURRENT

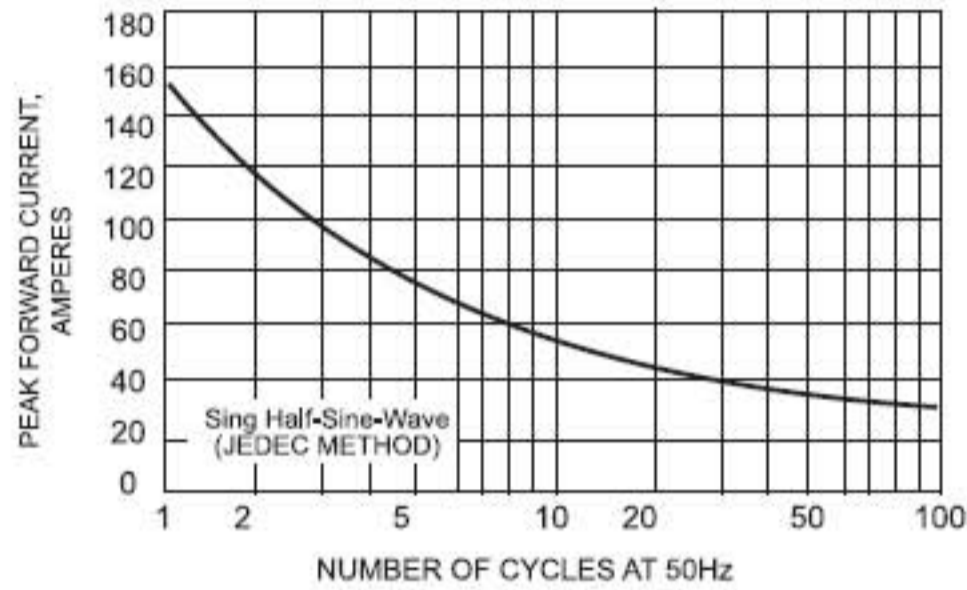


FIG.2 - FORWARD DERATING CURRENT

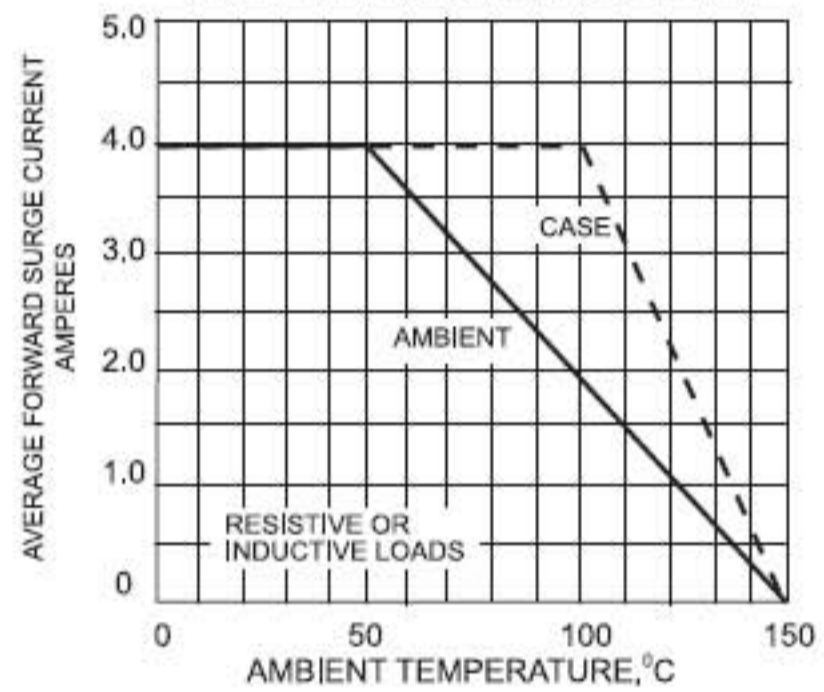


FIG.4 - TYPICAL FORWARD CHARACTERISTICS

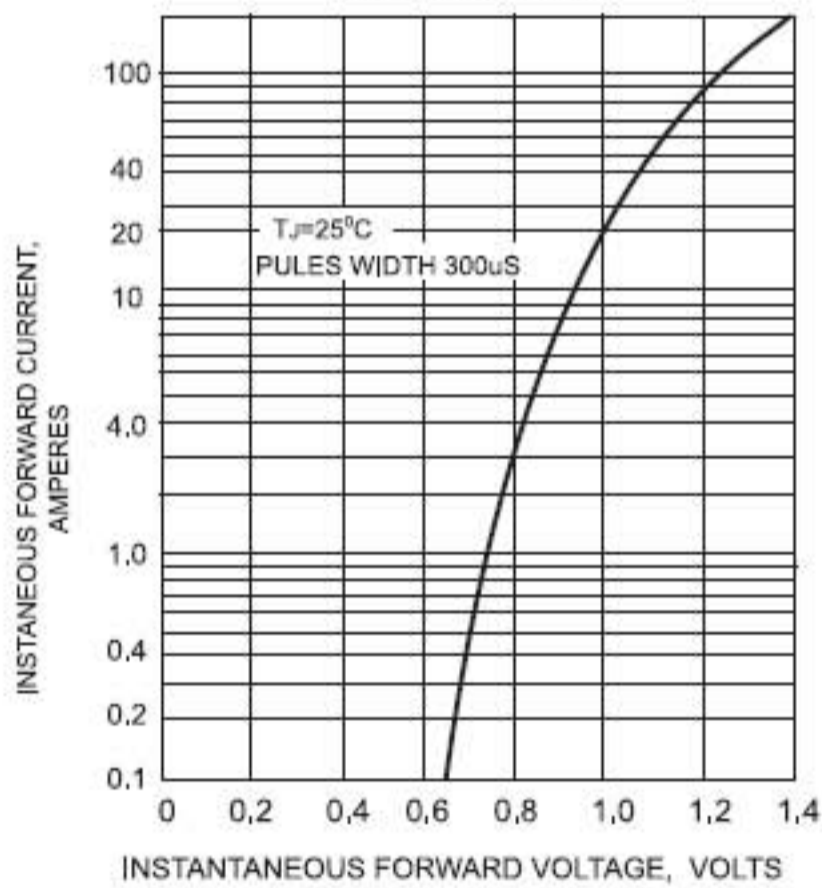


FIG.4 - TYPICAL REVERSE CHARACTERISTICS

