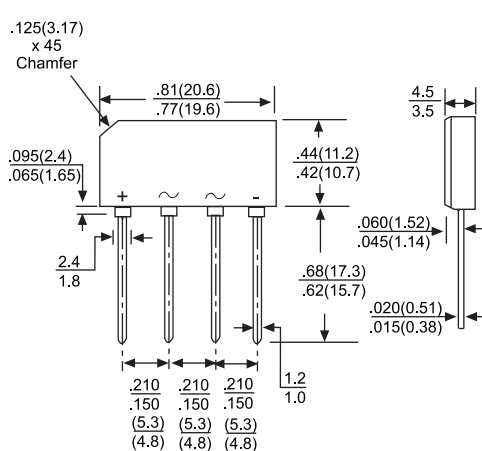


GBL005 THRU GBL10

<p>SINGLE PHASE 4.0AMPS. GLASS PASSIVATED BRIDGE RECTIFIERS</p>	<p>Voltage Range 50 to 1000 Volts Current 4.0 Amperes</p>
<p>FEATURES</p> <ul style="list-style-type: none"> ● 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	V _{RRM}	50	100	200	400	600	800	1000	v
Maximum RMS Bridge 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 Output Current @T _A = 50°C (Note 1)	I _{F(AV)}	4.0							A
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load	I _{FSM}	150							A
Maximum Instantaneous Forward Voltage Drop per Leg @ 4.0A	V _F	1.1							V
Maximum DC Reverse Current at @T _A = 25°C Rated DC Blocking Voltage @T _A = 125°C	I _R	10.0 1.0							uA mA
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to +150							°C

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

RATING AND CHARACTERISTIC CURVES GBL005 thru GBL10

FIG.1 - MAXIMUM NON-REPETITIVE SURGE CURRENT

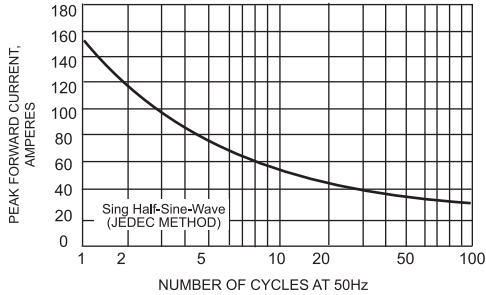


FIG.2 - FORWARD DERATING CURRENT

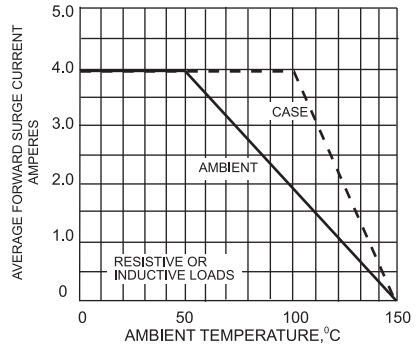


FIG.4 - TYPICAL FORWARD CHARACTERISTICS

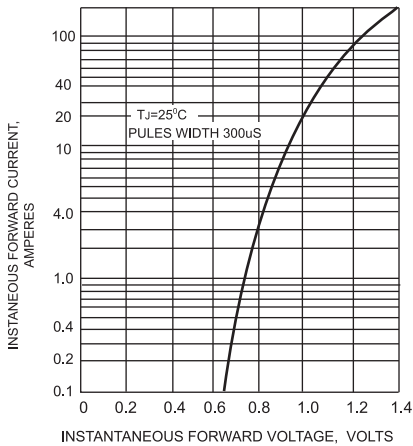


FIG.4 - TYPICAL REVERSE CHARACTERISTICS

