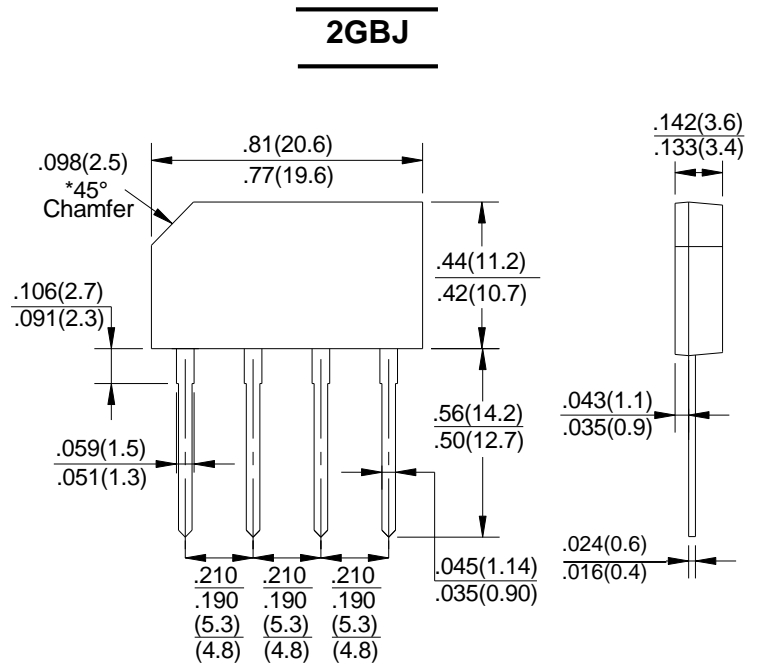


**GLASS PASSIVATED
BRIDGE RECTIFIERS**
REVERSE VOLTAGE - 600Volts
FORWARD CURRENT - 4.0 Amperes
FEATURES

- Surge overload rating - 125 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.

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	GBL06F	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	600	V
Maximum RMS Bridge Input Voltage	V _{RMS}	420	V
Maximum DC Blocking Voltage	V _{DC}	600	V
Maximum Average Forward Rectified Output Current @ T _A =50°C (Note1)	I <sub(av)< sub=""></sub(av)<>	4.0	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I _{FSM}	125	A
Maximum Forward Voltage Drop Per Bridge Element at 4.0A Peak	V _F	0.95	V
Maximum Reverse Current at Rated DC Blocking Voltage	I _R	10.0	μA
Maximum Reverse Current at Rated DC Blocking Voltage @ T _J =100°C	I _R	1.0	mA
Operating Temperature Range	T _J	-55 to +150	°C
Storage Temperature Range	T _{STG}	-55 to +150	°C

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

FIG.1-MAXIMUM NON-REPETITIVE SURGE CURRENT

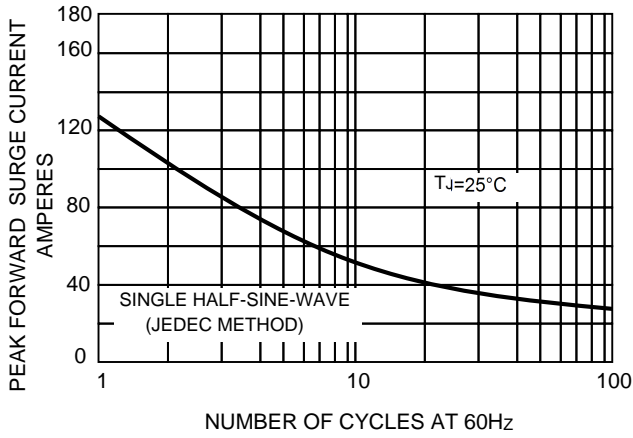


FIG.2-FORWARD DERATING CURRENT

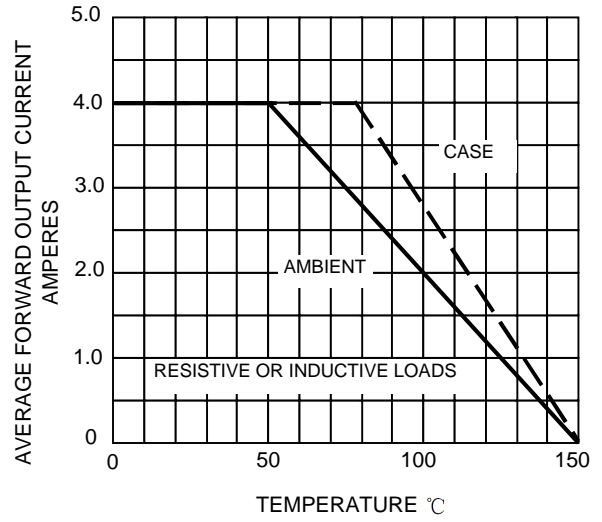


FIG.3-TYPICAL FORWARD CHARACTERISTICS

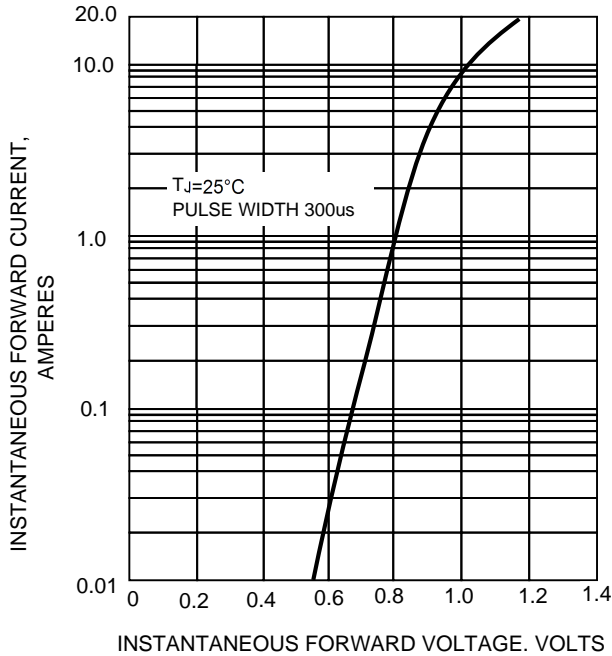


FIG.4-TYPICAL REVERSE CHARACTERISTICS

