GBL06F

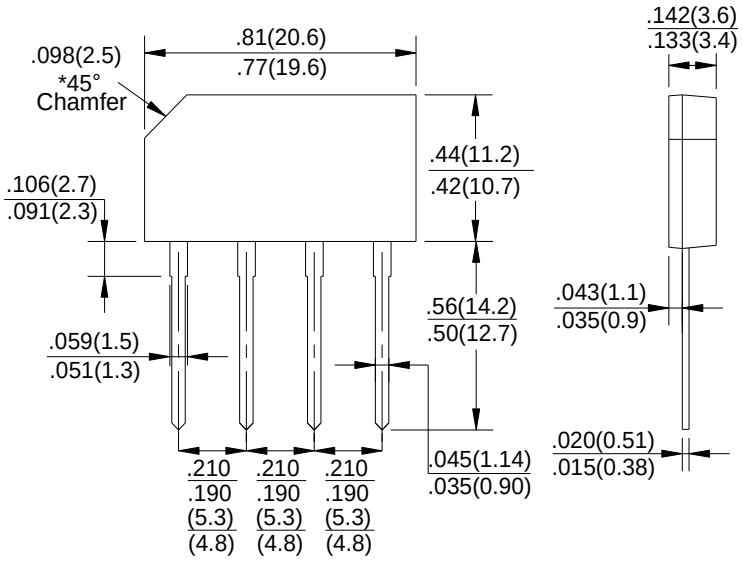
GLASS PASSIVATED
BRIDGE RECTIFIERS

REVERSE VOLTAGE - **600**Volts
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

2GBJ



Dimensions in inches and (milimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ 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℃ (Note1)	$I_{(AV)}$	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
I^2t Rating for Fusing (t<8.3ms)	I^2t	65	A^2s
Maximum Reverse Current at Rated DC Blocking Voltage	I_R	10.0	μA
Maximum Reverse Current at Rated DC Blocking Voltage @ T_J =100℃	I_R	1.0	mA
Operating Temperature Range	T_J	-55 to +150	℃
Storage Temperature Range	T_{STG}	-55 to +150	℃

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

RATING AND CHARACTERISTIC CURVES
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FIG.1-MAXIMUM NON-REPETITIVE SURGE CURRENT

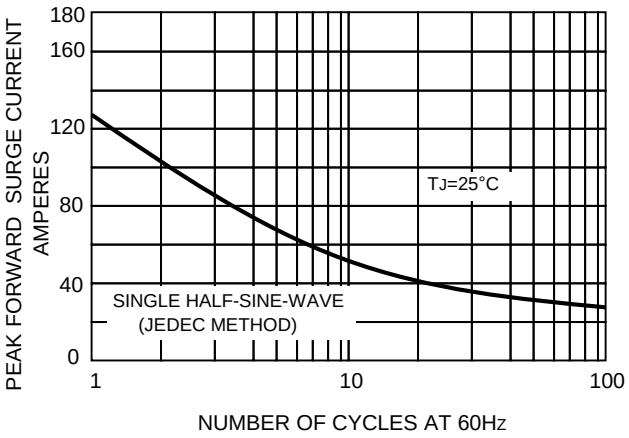


FIG.2-FORWARD DERATING CURRENT

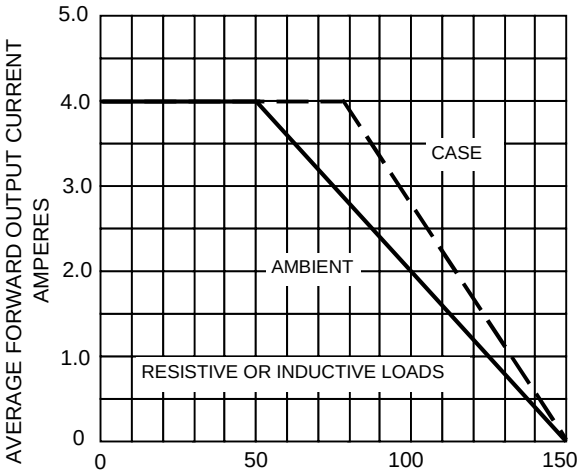


FIG.3-TYPICAL FORWARD CHARACTERISTICS

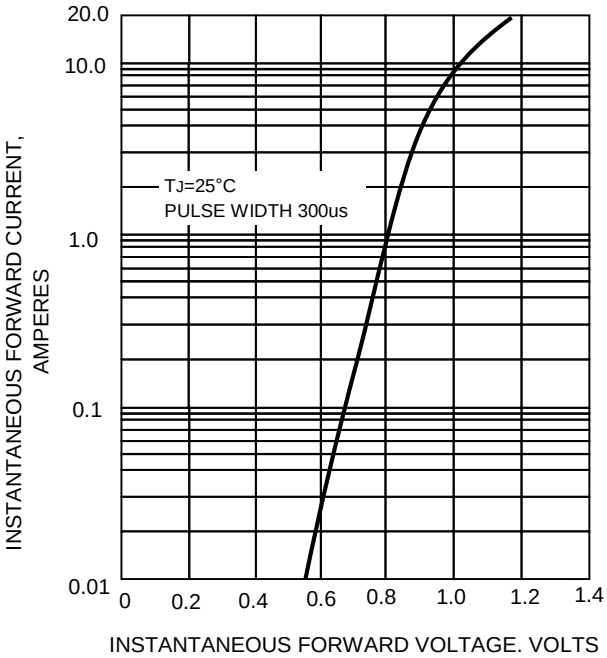
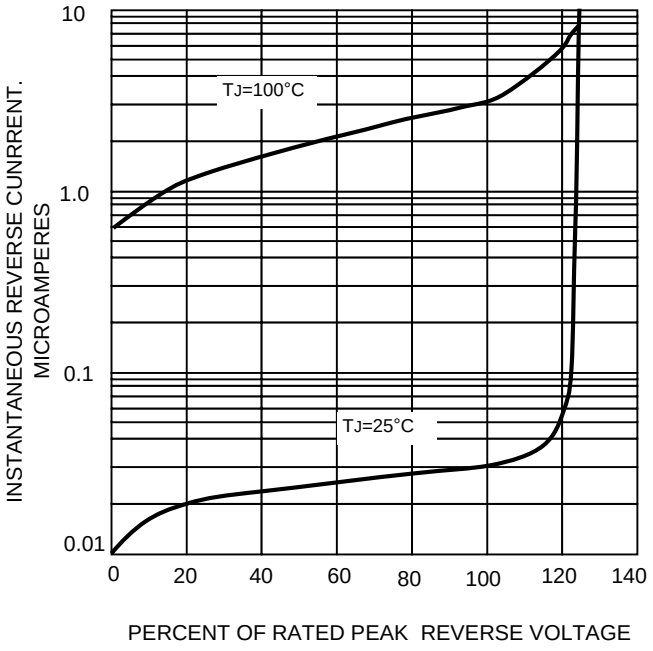


FIG.4-TYPICAL REVERSE CHARACTERISTICS



The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!