4GBJ2006L

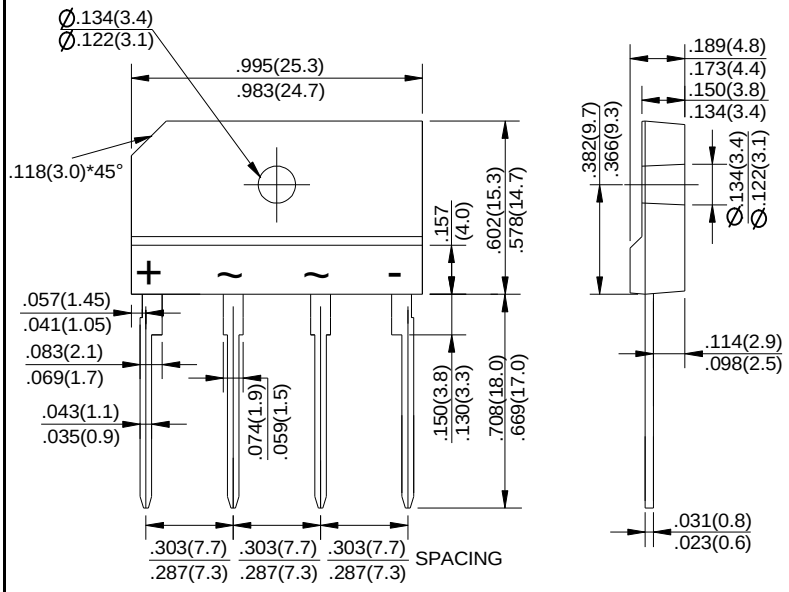
GLASS PASSIVATED
BRIDGE RECTIFIERS

REVERSE VOLTAGE - **600** Volts
FORWARD CURRENT - **20** Amperes

FEATURES

- Ideal for printed circuit board
- Low forward voltage drop,high current capability
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- The plastic material has UL flammability classification 94V-0

4GBJ



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	4GBJ2006L	UNIT
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	600	V
Maximum RMS Voltage	V_{RMS}	420	V
Maximum DC Blocking Voltage	V_{DC}	600	V
Maximum Average Forward Rectified Current @ T_C=100℃	$I_{(AV)}$	20	A
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I_{FSM}	250	A
Maximum Forward Voltage at 10A DC	V_F	0.92	V
I^2t Rating for Fusing (t<8.3ms)	I^2t	260	A^2s
Maximum DC Reverse Current @ T_J=25℃ at Rated DC Blocking Voltage @ T_J=125℃	I_R	10.0 500	μA
Operating Temperature Range	T_J	127	℃
Storage Temperature Range	T_{STG}	-55 to +150	℃

RATING AND CHARACTERTIC CURVES
4GBJ2006L

FIG.1-FORWARD CURRENT DERATING CURVE

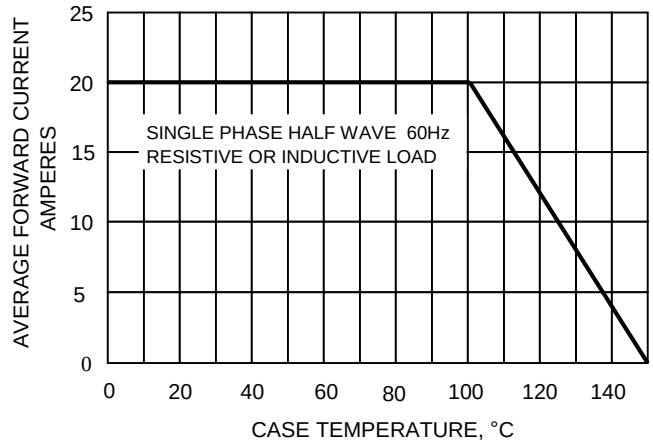


FIG.2-MAXMUN NON-REPETITIVE SURGE CURRENT

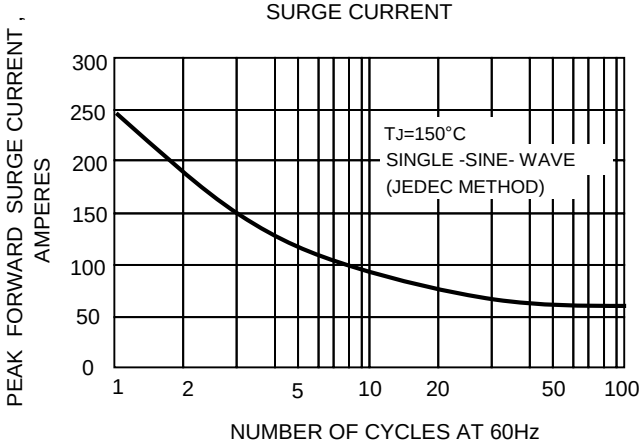


FIG.3-TYPICAL REVERSE CHARACTERISTICS

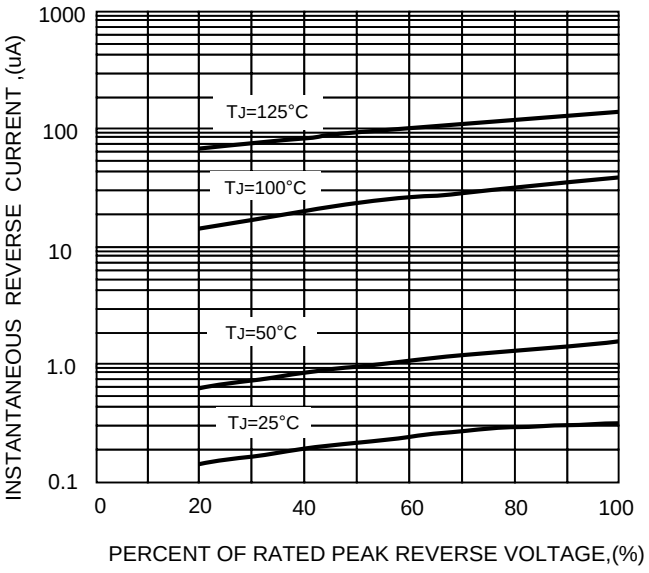
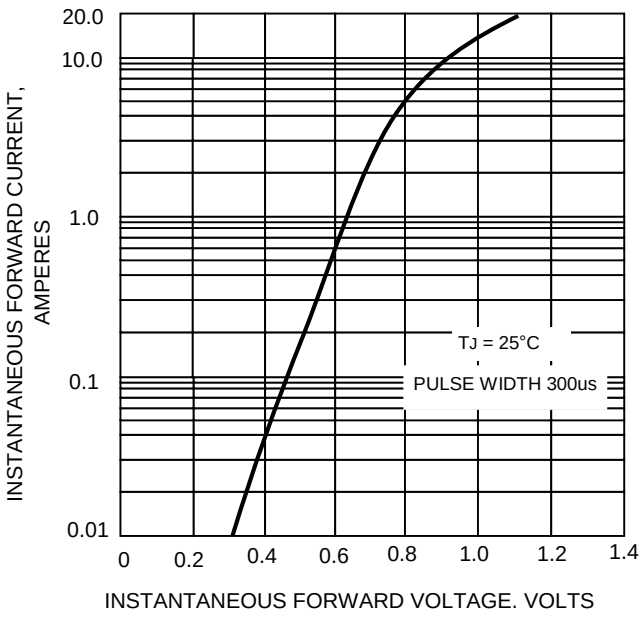


FIG.4-TYPICAL FORWARD CHARACTERISTICS



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