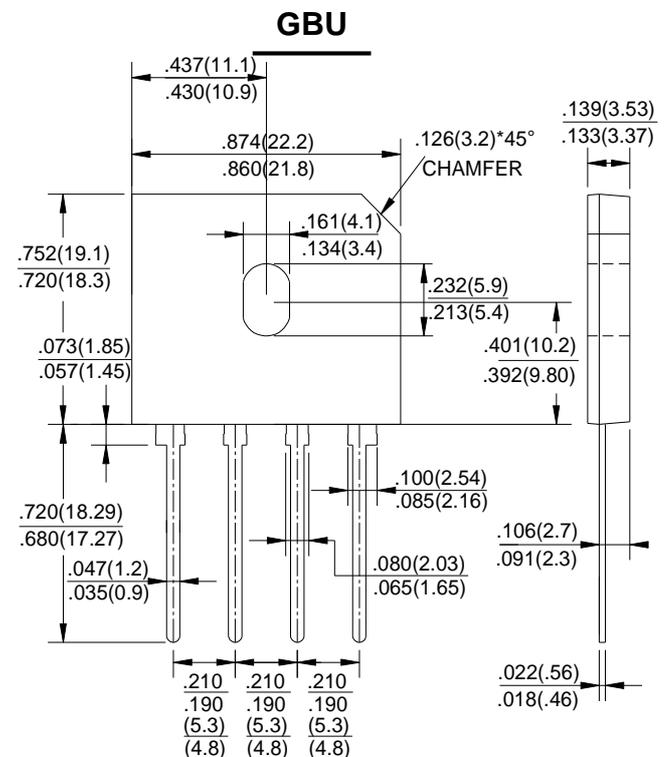


GLASS PASSIVATED BRIDGE RECTIFIERS

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

FEATURES

- Surge overload rating -260 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Plastic material has U/L flammability classification 94V-0
- Mounting position:Any



Dimensions in inches and (millimeters)

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	GBU2006L	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	600	V
Maximum RMS Voltage	VRMS	420	V
Maximum DC Blocking Voltage	VDC	600	V
Maximum Average Forward (with heatsink Note1) Rectified Current @ Tc=100°C (without heatsink)	I(AV)	20.0 3.6	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	IFSM	260	A
I ² t Rating for Fusing (t<8.3ms)	I ² t	280	A ² s
Typical Junction Capacitance Per Element (Note2)	CJ	70	pF
Maximum Forward Voltage at 10.0A DC	VF	127	V
Maximum DC Reverse Current @ Tj=25°C at Rated DC Blocking Voltage @ Tj=125°C	IR	10.0 500	µA
Typical Thermal Resistance	RθJC	2.2	°C/W
Operating Temperature Range	TJ	-55 to +150	°C
Storage Temperature Range	TSTG	-55 to +150	°C

- NOTES: 1.Device mounted on 100mm*100mm*1.6mm cu plate heatsink.
2.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.
3.The typical data above is for reference only(典型值仅供参考).

FIG.1-MAXIMUM FORWARD SURGE CURRENT

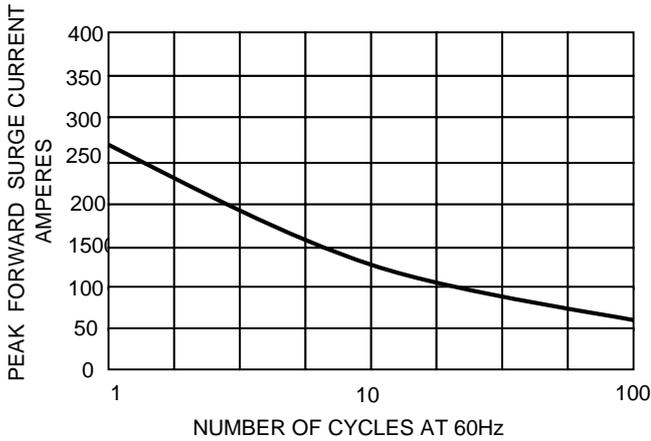


FIG.2- DERATING CURVE
 OUTPUT RECTIFIED CURRENT

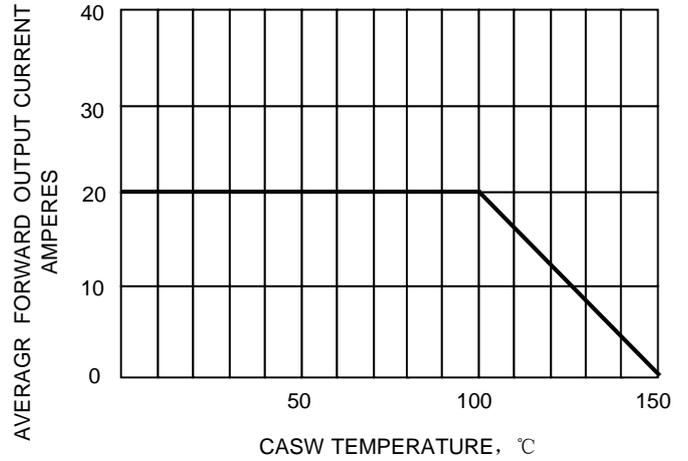


FIG.3-TYPICAL FORWARD CHARACTERISTICS

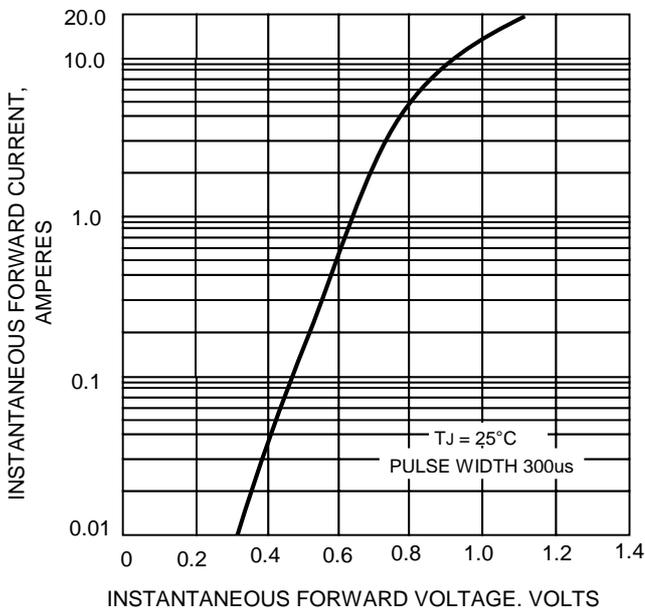


FIG.4-TYPICAL REVERSE CHARACTERISTICS

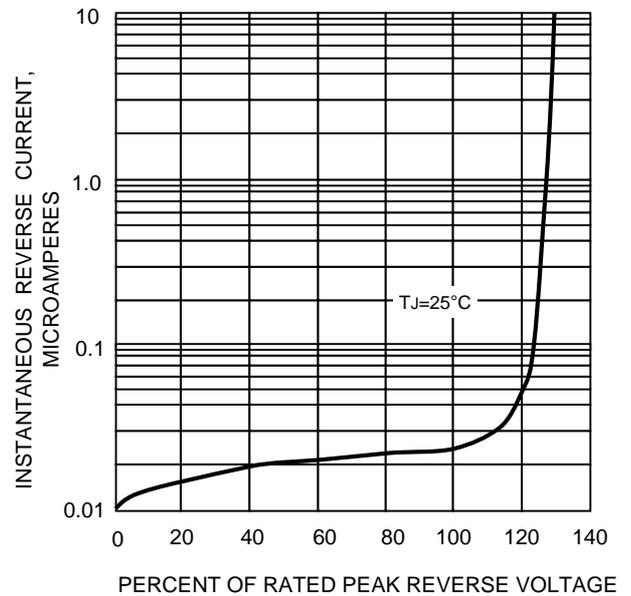
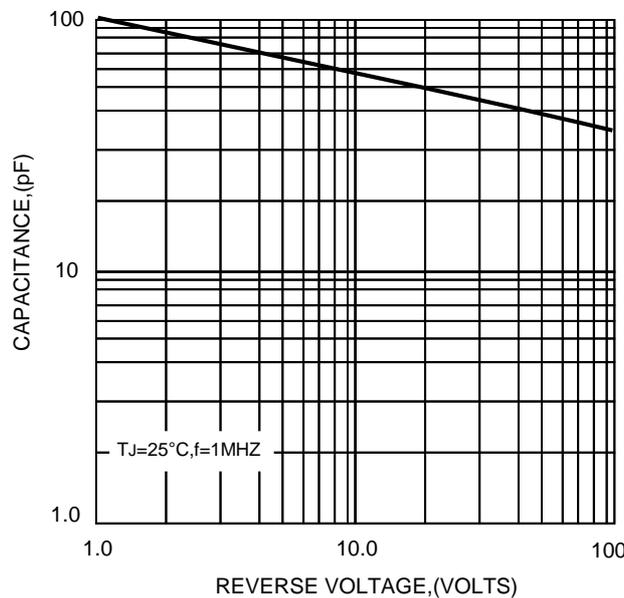


FIG.5-TYPICAL JUNCTION CAPACITANCE



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