

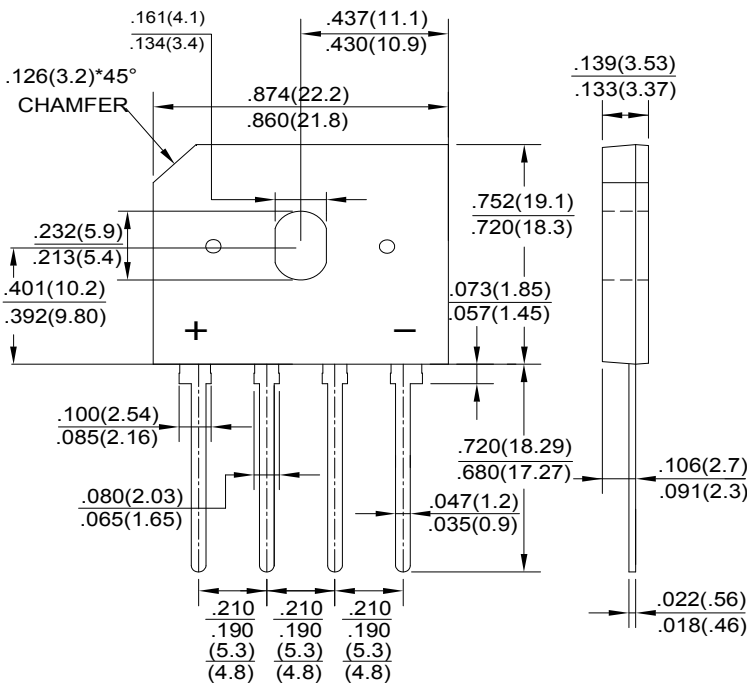
GLASS PASSIVATED BRIDGE RECTIFIERS		REVERSE VOLTAGE - 50 to 1000Volts FORWARD CURRENT - 8.0 Amperes								
FEATURES ●Surge overload rating -200 amperes peak ● Ideal for printed circuit board ●Reliable low cost construction utilizing molded plastic technique ●Plastic material has U/L the flammability classification 94V-0 ●Mounting postition:Any		GBU810  Dimensions in inches and (millimeters)								
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	GBU8005	GBU801	GBU802	GBU804	GBU806	GBU808	GBU810	UNIT
Maximum Recurrent Peak Reverse Voltage		V _{RRM}	50	100	200	400	600	800	1000	v
Maximum RMS 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 (with heatsink Note 2) Rectified Current @ T _c =100℃ (without heatsink)		I _(AV)	8.0 2.9							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)		I _{FSM}	200							A
Maximum Forward Voltage at 4.0A DC		V _F	1.0							V
Maximum DC Reverse Current @ T _J =25℃ at Rated DC Blocking Voltage @ T _J =125℃		I _R	10.0 500							μA
I ² t Rating for Fusing (t<8.3ms)		I ² t	166							A ² s
Typical Junction Capacitance Per Element (Note1)		C _J	60							pF
Typical Thermal Resistance		R _{θJC}	2.2							℃/W
Operating Temperature Range		T _J	-55 to +150							℃
Storage Temperature Range		T _{STG}	-55 to +150							℃
NOTES: 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.										
2.Device mounted on 75mm*75mm*1.6mm Cu plate heatsink.										
3.The typical data above is for reference only(典型值仅供参考).										



FIG.1-FORWARD CURRENT DERATING CURVE

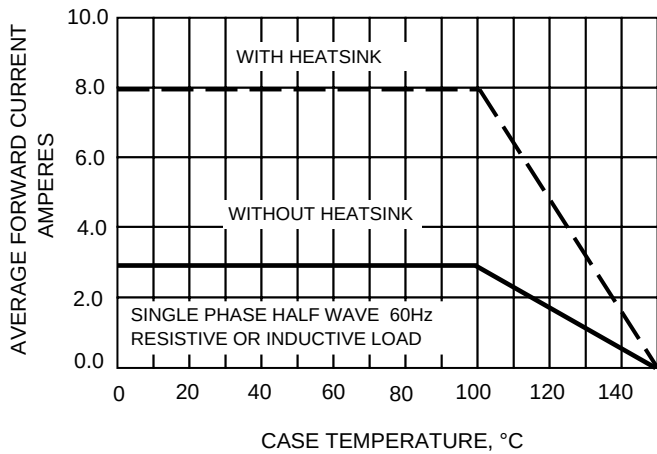


FIG.2-MAXIMUM NON-REPETITIVE SURGE CURRENT

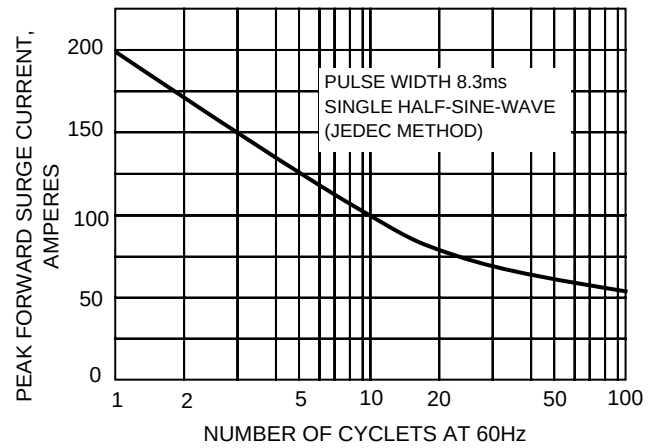


FIG.3-TYPICAL JUNCTION CAPACITANCE

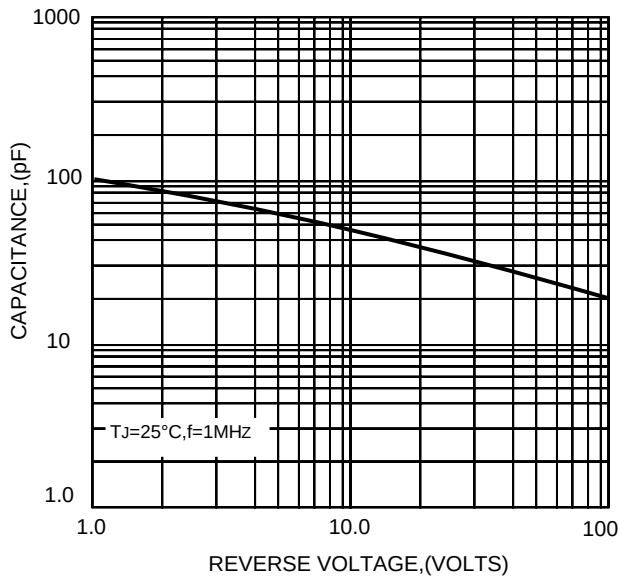


FIG.4-TYPICAL FORWARD CHARACTERISTICS

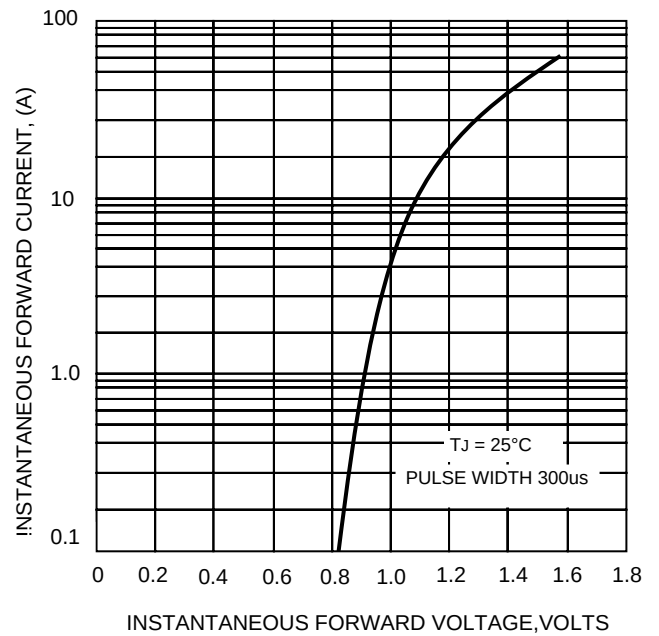
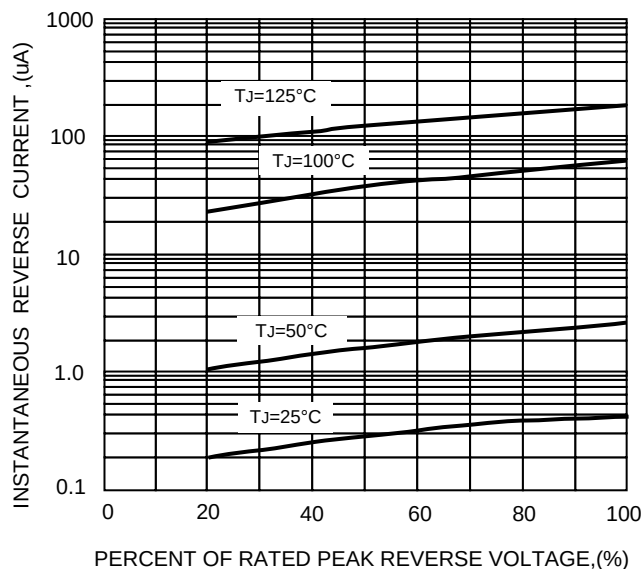


FIG.5-TYPICAL REVERSE CHARACTERISTICS



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