
**Package: KBU**
**GLASS PASSIVATED BRIDGE RECTIFIERS**
**REVERSE VOLTAGE - 50 to 1000Volts**
**FORWARD CURRENT - 8 Amperes**
**FEATURES**

- Surge overload rating -175 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Plastic material has UL
- Mounting position: Any
- Mounting torque: 5 In.lb.Max
- Weight: 0.26ounces ,7.4grams

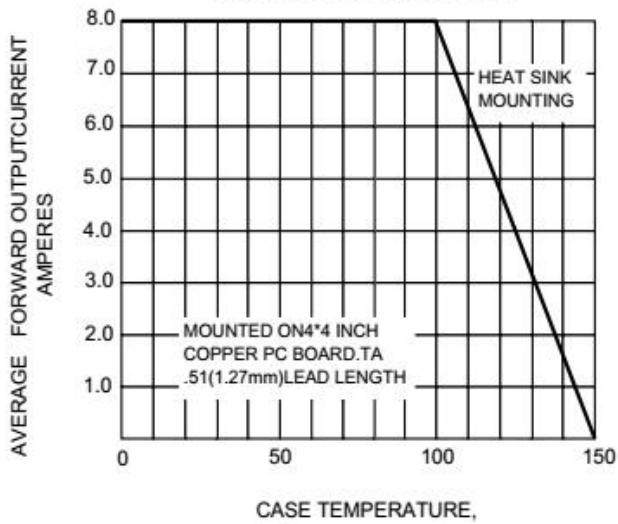
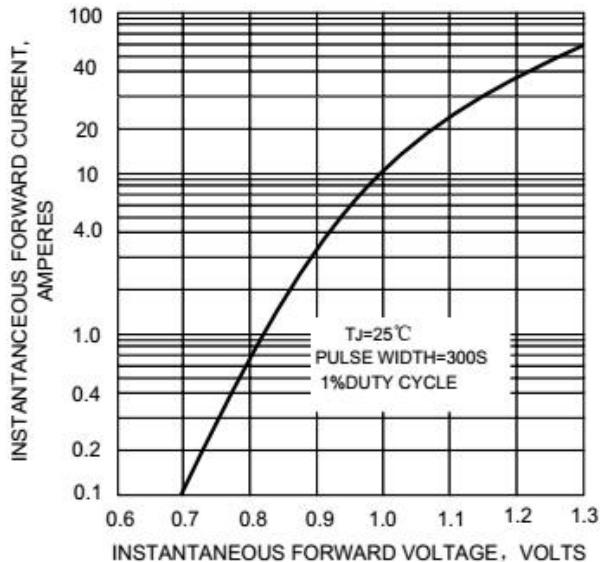
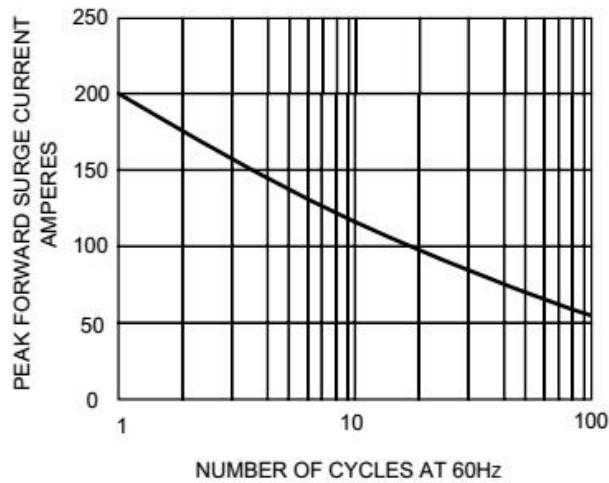
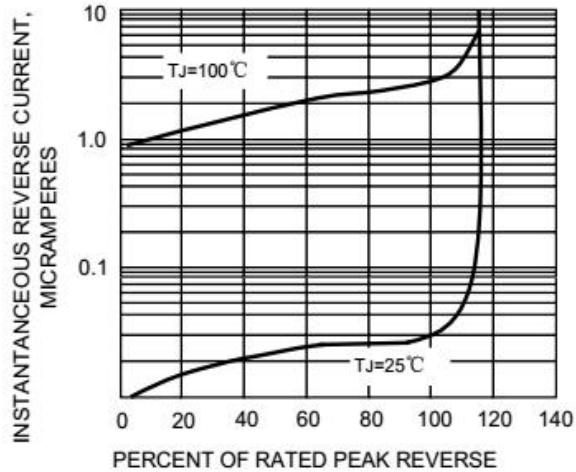
**MAXIMUM RATINGS  
AND ELECTRICAL CHARACTERISTICS**

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	KBU	KBU	KBU	KBU	KBU	KBU	KBU	UNIT
	8005	801	802	804	806	808	810	
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward T <sub>c</sub> =100°C	8.0							A
Rectified Output Current at T <sub>A</sub> =45°C	6.0							A
Peak Forward Surge Current 8.3ms single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	175							A
Maximum Instantaneous Forward Voltage Drop per Element at 4.0A	1.1							V
Maximum Reverse Leakage at rated T <sub>A</sub> =25°C	10							µA
DC Blocking Voltage Per Element T <sub>A</sub> =100°C	1000							µA
Operating and Storage Temperature Range T <sub>j</sub> ,T <sub>STG</sub>	-55 to +150							°C

**GLASS PASSIVATED BRIDGE RECTIFIERS  
RATING AND CHARACTERISTIC CURVES**
**FIG.1-DERATING CURVE FOR  
OUTPUT RECTIFIED CURRENT**

**FIG.2 TYPICAL INSTANTANEOUS FORWARD  
CHARACTERISTIC**

**FIG.3-MAXIMUM NON-RETETITIVE PEAK  
FORWARD SURGE CURRENT**

**FIG.4-TYPICAL REVERSE  
CHARACTERISTICS**

**FIG.5-TYPICAL JUNCTION CAPACITANCE PER ELEMENT**
