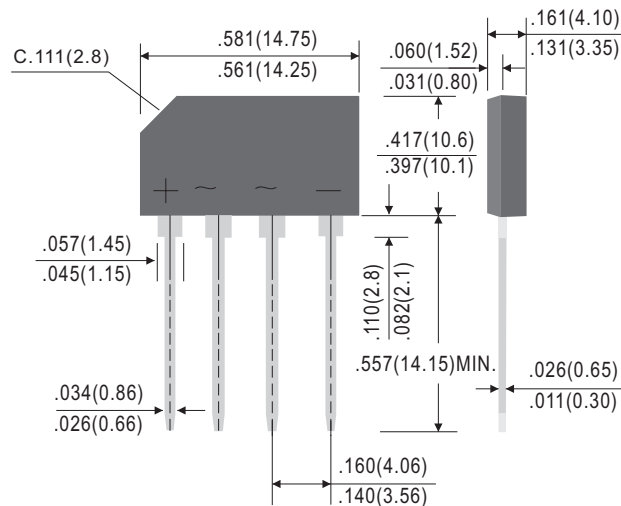


2.0 AMP GLASS PASSIVATED BRIDGE RECTIFIER
KBP PACKAGE
KBP201G
THRU
KBP208G
Pb Free Product
FEATURES

- * Ideal for printed circuit board
- * Surge overload rating: 60 Amperes peak
- * Mounting position: Any
- * Weight: 0.15 grams
- * RoHS product for packing code suffix "G"
- Halogen free product for packing code suffix "H"

MECHANICAL DATA

- * UL listed the recognized component directory, file #E195711
- * Epoxy: Device has UL flammability classification 94V-O



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

Single phase half wave, 60Hz, resistive or inductive load.

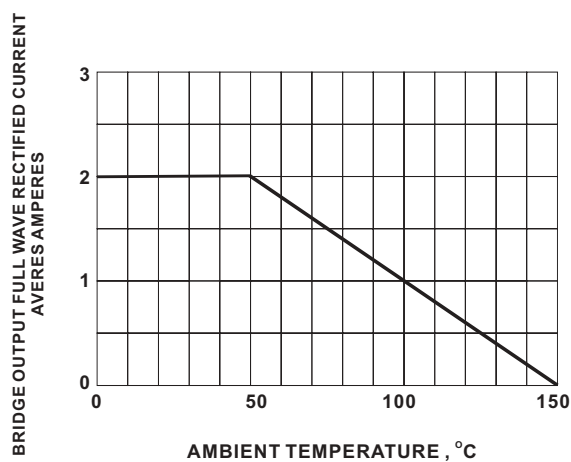
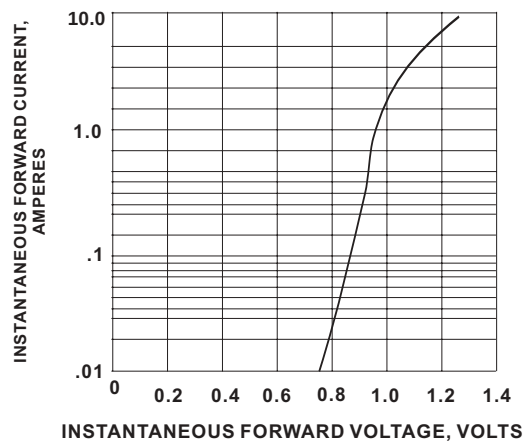
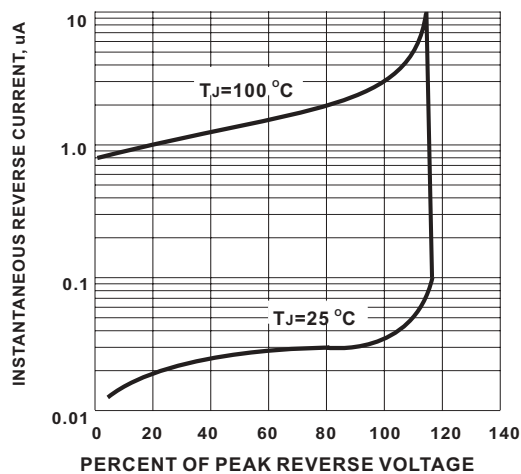
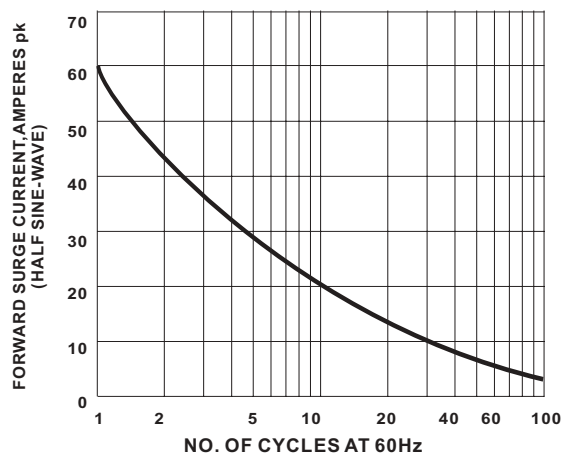
For capacitive load, derate current by 20%

RATINGS		SYMBOL	KBP201G	KBP202G	KBP203G	KBP204G	KBP206G	KBP208G	UNIT
Marking Code			KBP201G	KBP202G	KBP203G	KBP204G	KBP206G	KBP208G	
Maximum Recurrent Peak Reverse Voltage		VRRM	50	100	200	400	600	800	Volts
Maximum RMS Voltage		VRMS	35	70	140	280	420	560	Volts
Maximum DC Blocking Voltage		VDC	50	100	200	400	600	800	Volts
Maximum Average Forward Rectified Current at Tc = 125°C		Io	2.0						Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)		IFSM	60						Amps
Typical Thermal Resistance (Note 2)		RθJA	32 / 13						°C/W
Typical Junction Capacitance (Note 1)		CJ	25						pF
Operating Temperature Range		TJ	-55 to +150						°C
Storage Temperature Range		TsTG	-55 to +150						°C

CHARACTERISTICS		SYMBOL	KBP201G	KBP202G	KBP203G	KBP204G	KBP206G	KBP208G	UNIT
Maximum Forward Voltage at 2.0A DC		VF	1.10						Volts
Maximum Average Reverse Current at Rated DC Blocking Voltage	@Tc=25°C	IR	5.0						µAmps
	@Tc=100°C		500						

NOTES :1. Measured at 1 MHz and applied reverse voltage of 4.0 volts.

2. Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B with 0.47 x 0.47"(12 x 12mm)copper pads.

RATING AND CHARACTERISTIC CURVES

Fig.1 DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

Fig.2 TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

Fig.3 TYPICAL PEAK REVERSE CHARACTERISTICS

Fig.4 MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT