



**CHENMKO ENTERPRISE CO.,LTD**

*Halogens free devices*

**SINGLE-PHASE GLASS PASSIVATED  
SILICON BRIDGE RECTIFIER**

**VOLTAGE RANGE 50 - 1000 Volts CURRENT 2.0 Amperes**

**KBP200GP  
THRU  
KBP2010GP**

**FEATURES**

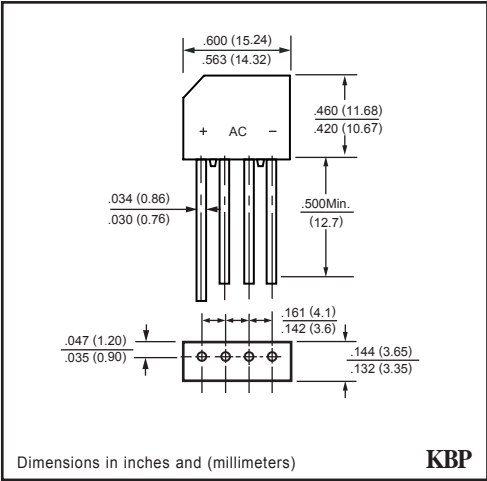
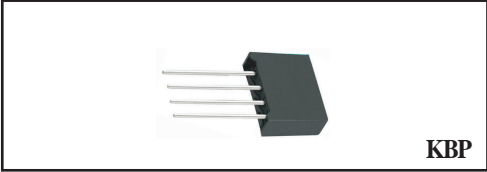
- \* Ideal for printed circuit board
- \* Surge overload rating - 60 Amperes peak
- \* Plastic material used carries Underwriters Laboratory Recognition
- \* Exceeds environmental standards of MIL-STD-19500

**MECHANICAL DATA**

**Case:** JEDEC KBP molded plastic

**Mounting position:** Any

**Polarity:** Polarity symbols marked on body



**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Ratings at 25°C ambient temperature unless otherwise specified.  
Single phase, half wave, 60 Hz, resistive or inductive load.  
For capacitive load, derate current by 20%.

**MAXIMUM RATINGS** ( At TA = 25°C unless otherwise noted )

RATINGS	SYMBOL	KBP200GP	KBP201GF	KBP202GF	KBP204GP	KBP206GP	KBP208GP	KBP2010GF	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current at TA = 50°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
Operating Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	TSTG	-55 to +150							°C

**ELECTRICAL CHARACTERISTICS** ( At TA = 25°C unless otherwise noted )

CHARACTERISTICS	SYMBOL	KBP200GP	KBP201GF	KBP202GF	KBP204GP	KBP206GP	KBP208GP	KBP2010GF	UNITS
Maximum Instantaneous Forward Voltage at 1.0 A DC	VF	1.0							Volts
Maximum Reverse Current at rated	IR	10							uAmps
DC blocking Voltage per element									0.2

## RATING CHARACTERISTIC CURVES ( KBP200GP THRU KBP2010GP )

FIG. 1 - TYPICAL FORWARD CURRENT DERATING CURVE

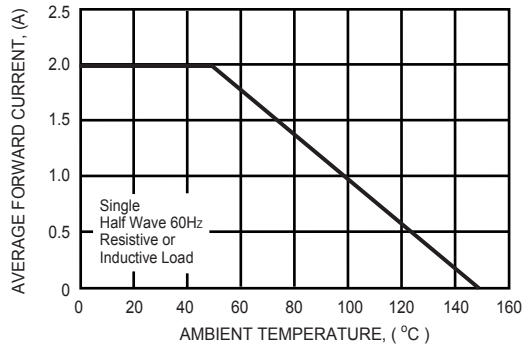


FIG. 2 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

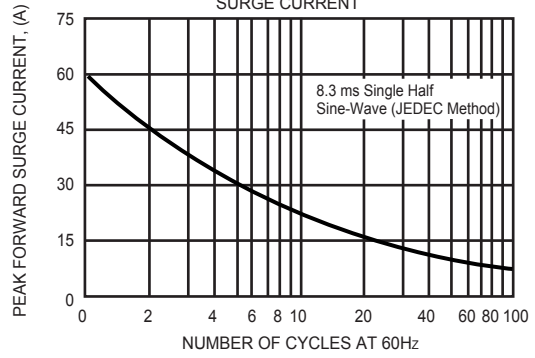


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

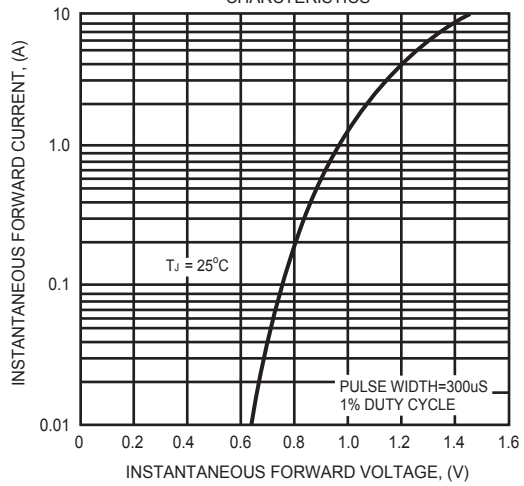


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

