



## KBP200G THRU KBP210G

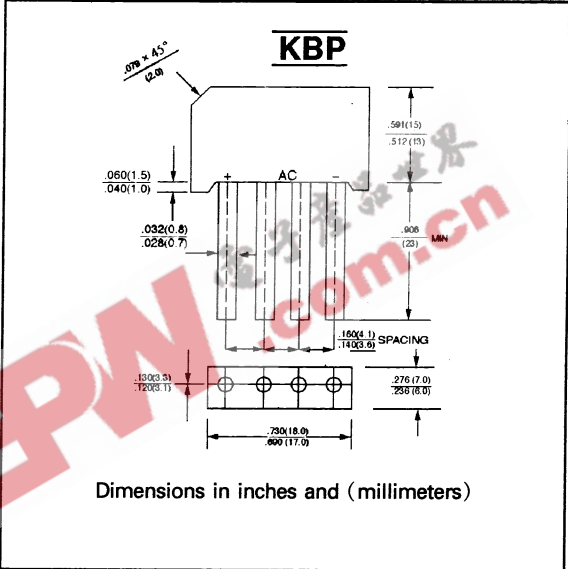
**SINGLE PHASE 2.0 AMPS. GLASS PASSLATED BRIDGE RECTIFIERS**



**FEATURES**

- \* Ideal for printed circuit board
- \* Reliable low cost construction
- \* High Surge Current Capability
- \* Small size, simple installation

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



**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**  
 Rating 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%

TYPE NUMBER	SYMBOLS	KBP 200G	KBP 201G	KBP 202G	KBP 204G	KBP 206G	KBP 208G	KBP 210G	UNITS
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	$V_{RMS}$	35	70	140	280	420	560	700	V
Maximum D.C Blocking Voltage	$V_{DC}$	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @ $T_A = 50^\circ C$	$I_{F(AV)}$	2.0							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	$I_{FSM}$	50							A
Maximum Forward Voltage Drop per element @ 1.0A (Note)	$V_F$	1.10							V
Maximum Reverse Current at Rated @ $T_A = 25^\circ C$ D.C. Blocking Voltage per element @ $T_A = 125^\circ C$	$I_R$	10 500							$\mu A$ $\mu A$
Operating Temperature Range	$T_J$	-55 to +150							$^\circ C$
Storage Temperature Range	$T_{STG}$	-55 to +150							$^\circ C$

NOTE: Mounted on glass - epoxy P.C.B, Soldering land  $\phi 3mm$ .



## RATINGS AND CHARACTERISTIC CURVES (KBP200G THRU KBP210G)

FIG.1 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT - PER ELEMENT

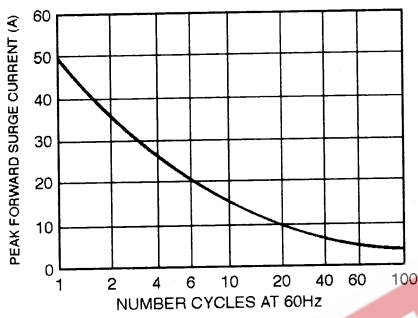


FIG.2 - TYPICAL FORWARD OUTPUT CURRENT DERATING CURVE

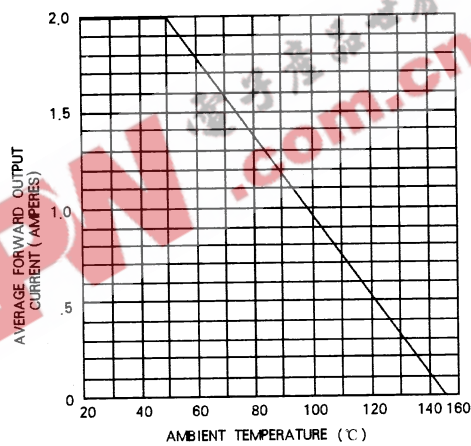


FIG.3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS - PER ELEMENT

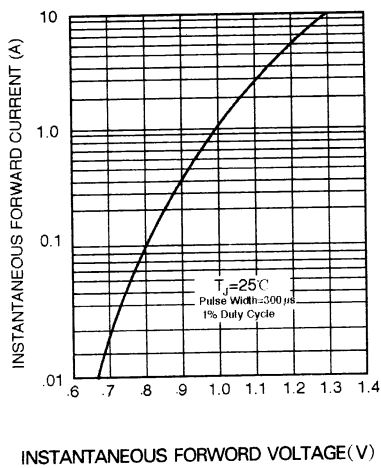


FIG.4 - TYPICAL REVERSE CHARACTERISTICS - PER ELEMENT

