


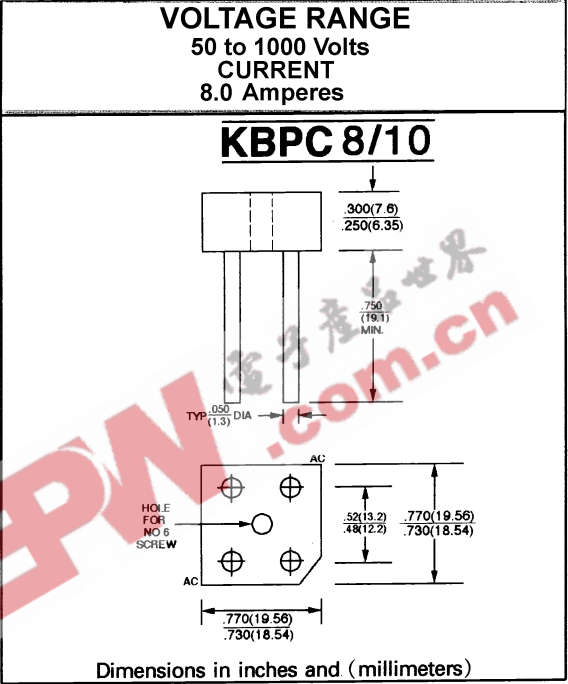


**KBPC800G THRU KBPC810G**  
**SINGLE PHASE 8.0 AMPS. GLASS PASSIVATED BRIDGE RECTIFIERS**



**FEATURES**

- \* Surge overload rating 200 amperes peak
- \* Low forward voltage drop
- \* Small size, simple installation
- \* Leads solderable per MIL-STD-202, method 208



**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	KBPC 800G	KBPC 801G	KBPC 802G	KBPC 804G	KBPC 806G	KBPC 808G	KBPC 810G	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 @ $T_C = 50^\circ C$	$I_{F(AV)}$	8.0							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load(JEDEC method)	$I_{FSM}$	175							A
Maximum Forward Voltage Drop per element @ 4.0A	$V_F$	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: (1) Bolt down on heat - sink with silicone thermal compound between bridge and mounting surface for maximum heat transfer with #6 screw  
 (2) Unit mounted on 6.0x6.0x0.11"thick(15x15x0.3cm) Cu. Plate



## RATINGS AND CHARACTERISTIC CURVES (KBPC800G THRU KBPC810G)

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

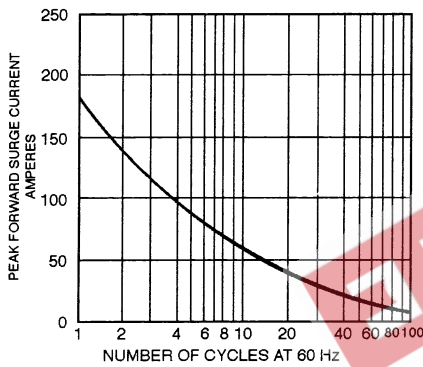


FIG. 2 - TYPICAL FORWARD CURRENT DERATING CURVE

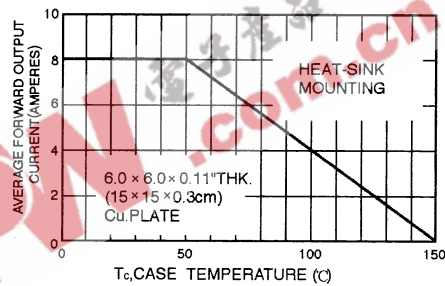


FIG. 3 - TYPICAL FORWARD CHARACTERISTICS - PER ELEMENT

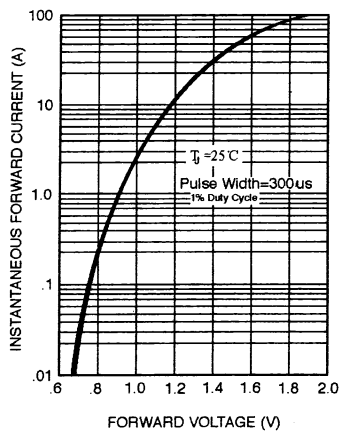


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS - PER ELEMENT

