




KBP200G THRU KBP210G

SINGLE PHASE 2.0 AMPS. GLASS PASSILATED BRIDGE RECTIFIERS

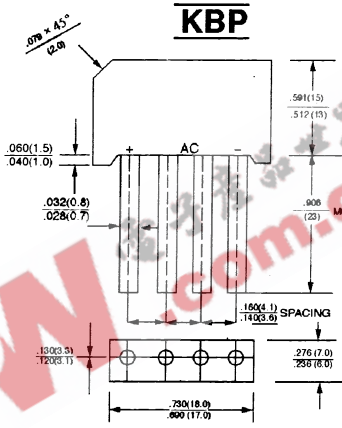


FEATURES

- * 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



Dimensions in inches and (millimeters)

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°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°C D.C. Blocking Voltage per element @ T _A = 125°C	I _R	10 500							μA μA
Operating Temperature Range	T _J	-55 to +150							°C
Storage Temperature Range	T _{STG}	-55 to +150							°C

NOTE: Mounted on glass - epoxy P.C.B, Soldering land φ3mm.



RATINGS AND CHARACTERISTIC CURVES (KBP200G THRU KBP210G)

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

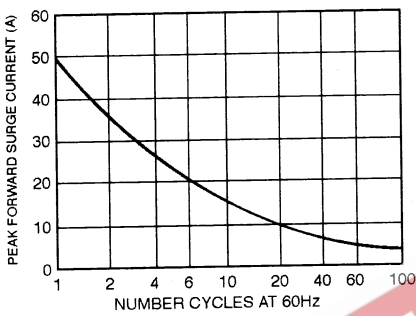


FIG.2 - TYPICAL FORWARD OUTPUT CURRENT DERATING CURVE

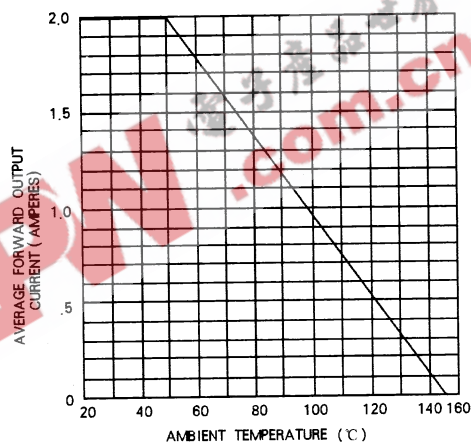


FIG.3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS - PER ELEMENT

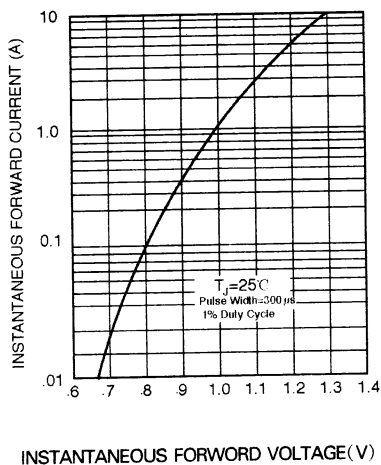


FIG.4 - TYPICAL REVERSE CHARACTERISTICS - PER ELEMENT

