

KBP005 THRU KBP10

SINGLE PHASE GLASS BRIDGE RECTIFIER

Voltage: 50 TO 1000V CURRENT: 2.0A

FEATURES

Ideal for printed circuit board Surge overload rating: 60A peak High case dielectric strength

MECHANICAL DATA

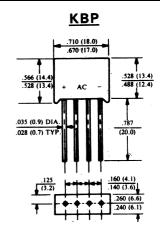
. Terminal: Plated leads solderable per

MIL-STD 202E, method 208C

. Case: UL-94 Class V-0 recognized Flame Retardant Epoxy

. Polarity: Polarity symbol marked on body

. Mounting position: any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Single-phase, half-wave, 60HZ, resistive or inductive load rating at 25 $^{\circ}$ C , unless otherwise stated, for capacitive load, derate current by 20%)

	SYMBOL	KBP005	KBP01	KBP02	KBP04	KBP06	KBP08	KBP10	units
Maximum Recurrent Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	٧
Maximum RMS Voltage	Vrms	35	70	140	280	420	560	700	٧
Maximum DC blocking Voltage	Vdc	50	100	200	400	600	800	1000	٧
Maximum Average Forward Rectified									
current at Ta=50°C	If(av)	2.0							Α
Peak Forward Surge Current 8.3ms single									
half sine-wave superimposed on rated load	Ifsm	50							Α
Maximum Instantaneous Forward Voltage at									
forward current 2.0A DC	Vf	1.1							V
Maximum DC Reverse Voltage Ta=25 °C		10.0							μА
at rated DC blocking voltage Ta=100 $^{\circ}\mathrm{C}$	lr	1.0							m A
Operating Temperature Range	Tj	-55 to +125							°C
Storage and operation Junction Temperature	Tstg	-55 to +150							°C



KBP005 THRU KBP10

SINGLE PHASE GLASS BRIDGE RECTIFIER

Voltage: 50 TO 1000V CURRENT: 2.0A

RATINGS AND CHARACTERISTIC CURVES KBP005 THRU KBP10

FIG.1-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

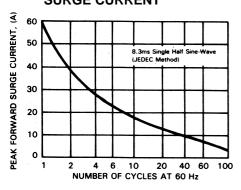


FIG.2-TYPICAL FORWARD CURRENT DERATING CURVE

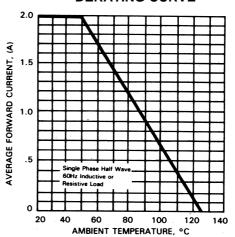


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

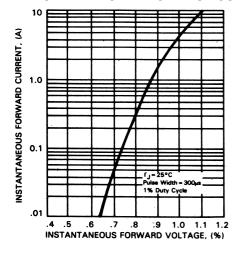


FIG.4-TYPICAL REVERSE

