

SHANGHAI SUNRISE ELECTRONICS CO., LTD.

KBPC35005 THRU KBPC3510

SINGLE PHASE SILICON BRIDGE RECTIFIER

TECHNICAL SPECIFICATION

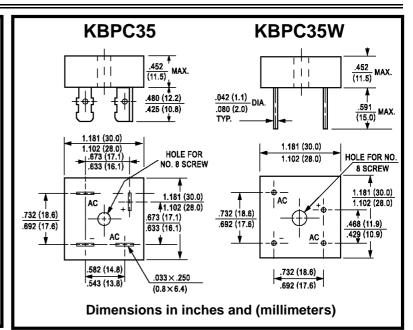
VOLTAGE: 50 TO 1000V CURRENT: 35A

FEATURES

- Surge overload rating: 400A peak
- High case dielectric strength
- 1/4" universal fasten terminal
- High temperature soldering guaranteed: 250°C/10sec/0.375"(9.5mm) lead length at 5 lbs tension

MECHANICAL DATA

- Polarity: Polarity symbol marked on body
- Mounting position: Hole thru for *8 screw
- · Case: metal or plastic



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Single-phase, half-wave, 60Hz, resistive or inductive load rating at 25°C, unless otherwise stated, for capacitive load, derate current by 20%)

RATINGS	SYMBOL	KBPC 35005		KBPC 3502	KBPC 3504	KBPC 3506	KBPC 3508	KBPC 3510	UNITS
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current		35							Λ
(T _c =55°C)	I _{F(AV)}								Α
Peak Forward Surge Current (8.3ms single	l=0	400							Α
half sine-wave superimposed on rated load)	IFSM								
Maximum Instantaneous Forward Voltage	V_{F}	1.1							V
(at forward current 17.5A DC)	٧F								V
Maximum DC Reverse Current T _a =25°C		10.0							μΑ
(at rated DC blocking voltage) T _a =100°C	I _R 500								μΑ
Storage and Operating Junction Temperature	T_{STG}, T_{J}	-55 to +150							°C
Mata									

Note:

Suffix "W" for wire type