

KBPC15005 THRU KBPC1510

SINGLE PHASE SILICON **BRIDGE RECTIFIER**

Voltage: 50 TO 1000V CURRENT:15A

FEATURES

Surge overload rating: 300A peak High case dielectric strength 1/4" Universal faston terminal and Ø40ml lead--wire available

KBPC



MECHANICAL DATA

. Polarity: Polarity symbol marked on body . Mounting: 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%)

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	SYMBOL	KBPC 15005	KBPC 1501	KBPC 1502	KBPC 1504	KBPC 1506	KBPC 1508	KBPC 1510	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	V
Maximum DC blocking Voltage	Vdc	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified									А
current 3/8" lead length at Ta=25 °C	If(av)	15							Α
Peak Forward Surge Current 8.3ms single									
half sine-wave superimposed on rated load	Ifsm	300							Α
Maximum Instantaneous Forward Voltage at									
forward current 7.5A DC	Vf	1.1							V
Maximum DC Reverse Voltage Ta=25 °C		10.0							μд
at rated DC blocking voltage Ta=100 °C	Ir	500							μА
Operating Temperature Range	Tj	-55 to +150							$^{\circ}\mathbf{C}$
Storage and operation Junction Temperature	Tstg	-55 to +150							°C
Note: Suffix "W" for wire type	-								

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RATINGS AND CHARACTERISTIC CURVES KBPC15005 THRU KBPC1510

FIG.1-MAXIMUM NON-REPETITIVE FORWARD

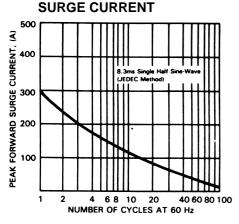


FIG.2-TYPICAL FORWARD CURRENT DERATING CURVE

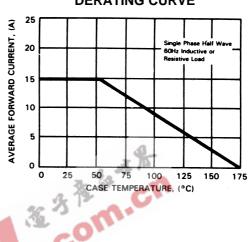
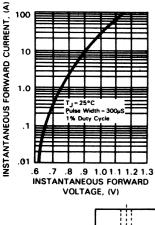


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS



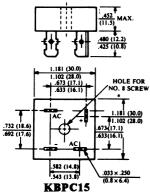


FIG.4-TYPICAL REVERSE CHARACTERISTICS

