CE

CHENYI ELECTRONICS

KBPC15005 THRU KBPC1510

SINGLE PHASE SILICON BRIDGE RECTIFIER

Voltage: 50 TO 1000V CURRENT:15A

FEATURES

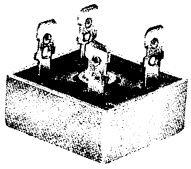
Surge overload rating: 300A peak

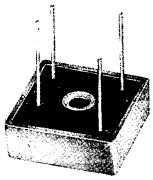
High case dielectric strength

1/4" Universal faston terminal

and ∅40ml 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℃ , unless otherwise stated,

for capacitive load, derate current by 20%)

	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	V
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 current 3/8" lead length at Ta=25 ℃	If(av)	15							A A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	Ifsm	300							A
Maximum Instantaneous Forward Voltage at forward current 7.5A DC	Vf	1.1							V
Maximum DC Reverse Voltage Ta=25 ℃	Ir	10.0							μA
at rated DC blocking voltage Ta=100 ℃		500							μA
Operating Temperature Range	Tj	-55 to +150							℃
Storage and operation Junction Temperature	Tstg	-55 to +150							℃

Note: Suffix "W" for wire type

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RATINGS AND CHARACTERISTIC CURVES KBPC15005 THRU KBPC1510

FIG.1-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

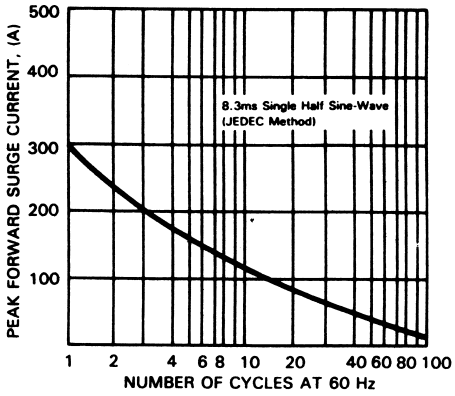


FIG.2-TYPICAL FORWARD CURRENT DERATING CURVE

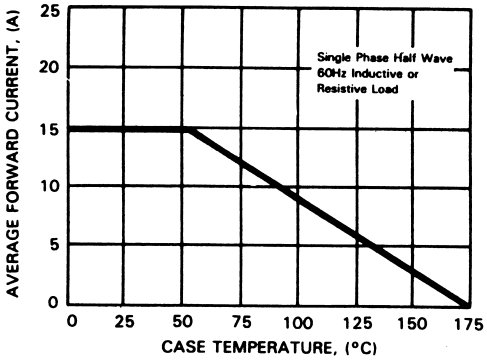
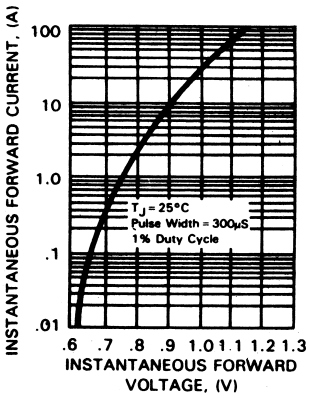


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS



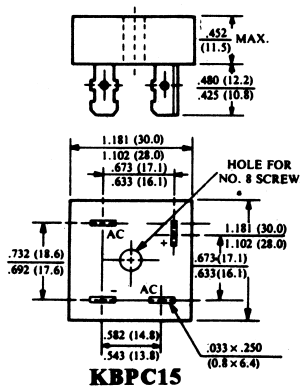


FIG.4-TYPICAL REVERSE CHARACTERISTICS