

CE

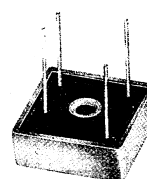
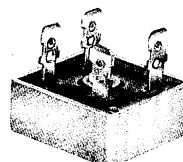
CHENYI ELECTRONICS

KBPC25005 THRU KBPC2510**SINGLE PHASE SILICON
BRIDGE RECTIFIER****Voltage: 50 TO 1000V CURRENT:25A****FEATURES**

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

MECHANICAL DATA

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

KBPC**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%)

	SYMBOL	KBPC 25005	KBPC 2501	KBPC 2502	KBPC 2504	KBPC 2506	KBPC 2508	KBPC 2510	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 °C	If(av)	25							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 °C	Ir	10.0							μ A
at rated DC blocking voltage Ta=100 °C		500							μ A
Operating Temperature Range	Tj	-55 to +150							°C
Storage and operation Junction Temperature	Tstg	-55 to +150							°C

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BRIDGE RECTIFIER

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RATINGS AND CHARACTERISTIC CURVES KBPC25005 THRU KBPC2510

FIG.1-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

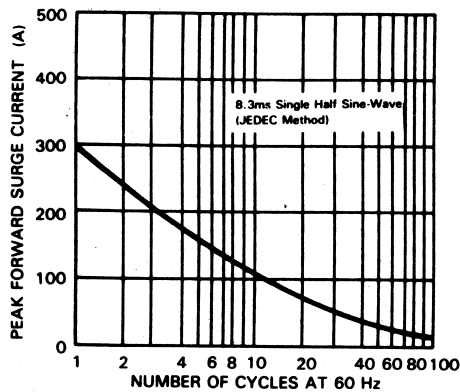


FIG.2-TYPICAL FORWARD CURRENT DERATING CURVE

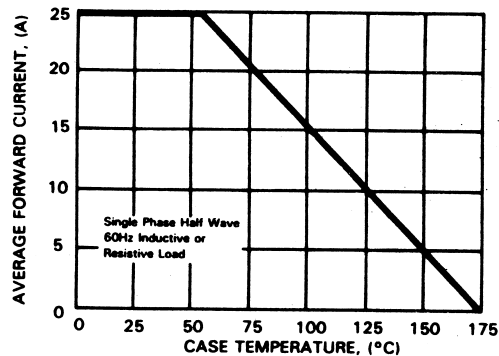


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

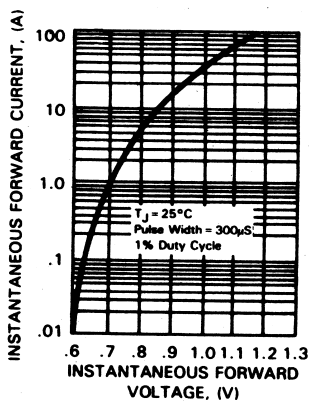


FIG.4-TYPICAL REVERSE CHARACTERISTICS

