KBPC8005 THRU KBPC810

SINGLE-PHASE BRIDGE RECTIFIER

REVERSE VOLTAGE 50 to 1000 Volts

FORWARD CURRENT 8.0 Ampere

FEATURES

High forward surge current capability Ideal for printed circuit board High isolation voltage from case to leads High temperature soldering guaranteed: 260°C /10 second, at 5 lbs. (2.3kg) tension.

MECHANICAL DATA

Case: Molded plastic body

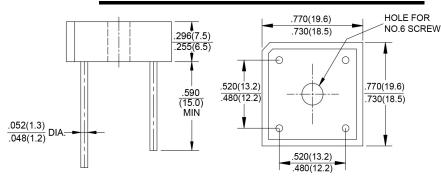
Terminal: Lead solderablé per MIL-STD-202E

method 208C

Polarity: Polarity symbols molded on case

Mounting: Thru hole for #6 screw, 5.0 in.-lbs torque max Weight:0. 20ounce, 5.62 grams

BR-8



Polarity shown on side of case, positive lead by beveled corner.

Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified, Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load derate current by 20%

| | SYMBOL | KBPC 8005 | KBPC 801 | KBPC 802 | KBPC 804 | KBPC 806 | KBPC 808 | KBPC 810 | UNIT |
|--------------|--------------------------------|--|-----------------------|-----------------------------|-----------------------------------|---|---|---|---|
| age | V _{RRM} | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | Volts |
| | V _{RRM} | 35 | 70 | 140 | 280 | 420 | 560 | 700 | Volts |
| | V _{DC} | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | Volts |
| | | 8.0 | | | | | | | Amps |
| | I (AV) | | | | | | | | |
| | I _{FSM} 175 | | | | | | Amps | | |
| | l²t | 64 | | | | | | | A ² S |
| ge at 4.0A | | 1.0 | | | | | | | Volts |
| 5°C | | 5.0 | | | | | | | uAmps |
| 25° C | I R | 1.0 | | | | | | | mAmps |
| | V _{ISO} | | | | 2500 | | | | V _{AC} |
| | Rejc | 6.0 | | | | | | | °C/W |
| | TJ | -55 to +150 | | | | | | | °C |
| | Tsrg -55 to +150 | | | | | °C | | | |
| | 8.3ms I load 4.0A 5°C | Age VRRM VRRM VDC I (AV) 8.3ms I load IFSM I ² t 4.0A VF 5°C IR VISO RØJC TJ | SYMBOL 8005 age | SYMBOL 8005 801 age | SYMBOL 8005 801 802 age | SYMBOL 8005 801 802 804 age | SYMBOL 8005 801 802 804 806 age | SYMBOL 8005 801 802 804 806 808 age | SYMBOL 8005 801 802 804 806 808 810 age |

1- Unit mounted on 8.7"×8.7"×0.24" thick (22×22×0.6 cm) Al. plate.

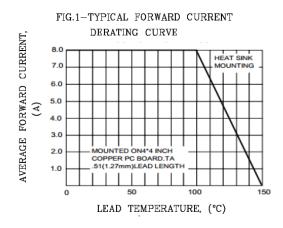
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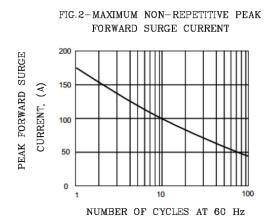
Website: www.kingtronics.com Email: info@kingtronics.com Tel: (852) 8106 7033 Fax: (852) 8106 7099

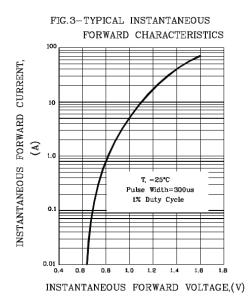
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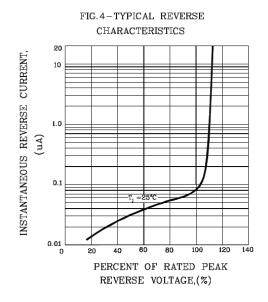
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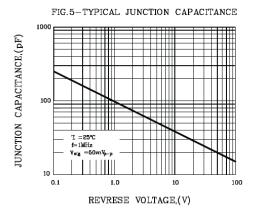
RATINGS AND CHARACTERISTIC CURVES











Note: Specifications are subject to change without notice.

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