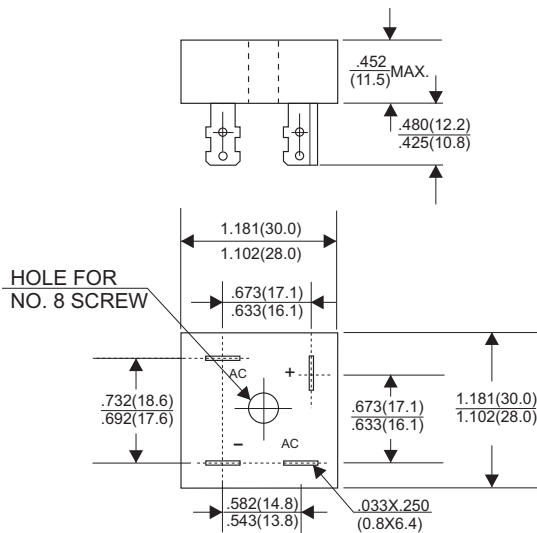




KBPC1505 THRU KBPC1510

SINGLE PHASE BRIDGE RECTIFIERS
Reverse Voltage - 50 to 1000 Volts Forward Current - 15.0 Ampere

KBPC



Dimensions in inches and (millimeters)

FEATURES

- *Surge overload 300 Amperes peak
- *Low forward voltage drop
- *Mounring Position:Any
- *Electrically isolated base-1800 Volts
- *Solderable 0.25"FASTON terminail
- *Materials used carries U/L recognition

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature unieess otherwies specified.
 Single phase half wave, 60Hz, resistive or inductive load.
 For capacitive load, derate current by 20%.

| TYPE NUMBER | KBPC 15005 | KBPC 1501 | KBPC 1502 | KBPC 1504 | KBPC 1506 | KBPC 1508 | KBPC 1510 | UNITS | |
|---|---------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|----|
| Maximum Recurrent Peak Reverse Voltage | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V | |
| Maximum RMS Voltage | 35 | 70 | 140 | 280 | 420 | 560 | 700 | V | |
| Maximum DC Blocking Voltage | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V | |
| Maximum Average Forward Rectified Current .375"(9.5mm) Lead Length at Ta=55°C | | | | | | | | 15.0 | A |
| Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method) | | | | | | | | 300 | A |
| Maximum Instantaneous Forward Voltage at 7.5A | | | | | | | | 1.1 | V |
| Maximum DC Reverse Current at Rated DC Blocking Voltage | | | | | | | | 10.0 | μA |
| | | | | | | | | 500 | μA |
| Operating Temperature Range Tj | | | | | | | | -65 — +125 | °C |
| Storage Temperature Range Tstg | | | | | | | | -65 — +150 | °C |

RATING AND CHARACTERISTIC CURVES (KBPC1505 THRU KBPC1510)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

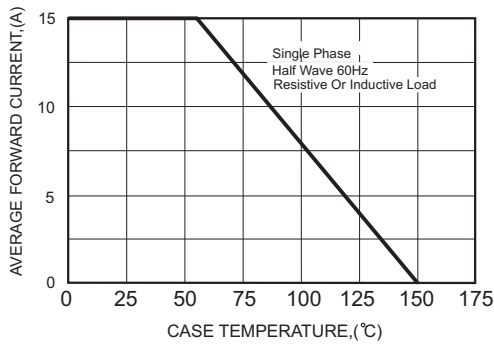


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

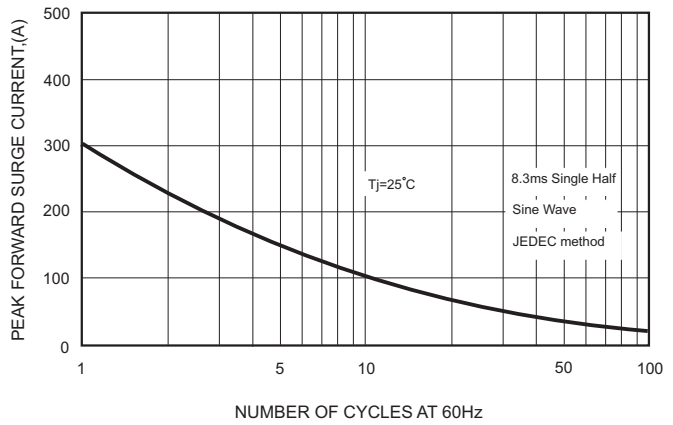


FIG.3-TYPICAL FORWARD CHARACTERISTICS

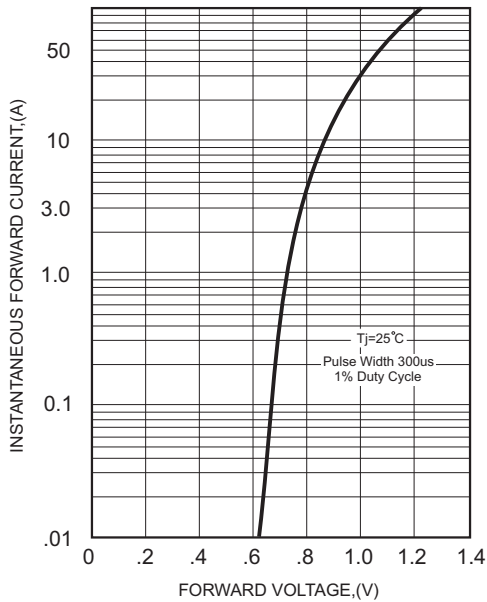


FIG.4-TYPICAL REVERSE CHARACTERISTICS

