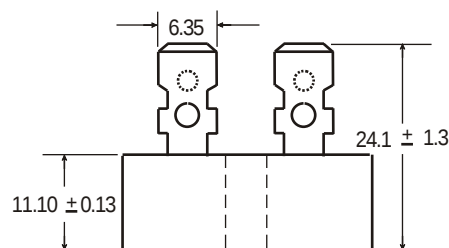
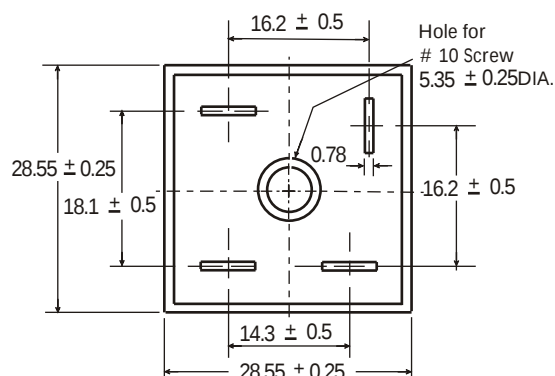


CURRENT 35.0 Ampere
VOLTAGE RANG 50 to 1000 Volts

KBPC3501 THRU KBPC3510

Features

- This series is SGS listed under the Recognized Component Index, file number SZXEC1902259902
- Surge overload ratings to 300 amperes
- The plastic material used carries Underwriters Laboratory flammability recognition 94V-0
- Universal 4-way terminals, snap-on, wrap-around, solder or P.C. Board mounting
- High temperature soldering guaranteed 265°C/10 seconds at 5 lbs (2.3kg) tension



Dimensions in millimeters(1mm =0.0394")

Mechanical Data

Case: Metal case

Terminals: Plated .25" (6.53mm) Faston

Mounting Position: Bolt down on heat-sink with silicone thermal compound between bridges and mounting surface for maximum heat transfer efficiency

Mounting Position: Any

Weight: 1.024 ounce, 29 grams (approx)

Maximum Ratings & Thermal Characteristics

Rating at 25°C ambient temperature unless otherwise specified, Resistive or Inductive load, 60 Hz.
For Capacitive load derate current by 20%.

[illegible]

Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified. Resistive or Inductive load, 60Hz.
For Capacitive load derate by 20 %.

Parameter	Symbol	KBPC 35005	KBPC 3501	KBPC 3502	KBPC 3504	KBPC 3506	KBPC 3508	KBPC 3510	Unit
Maximum instantaneous forward voltage drop per leg at 17.5A	V _F	1.0							V
Maximum DC reverse current at rated T _A =25°C DC blocking voltage per element T _A =125°C	I _R	10 500							μA

Notes: (1) Thermal resistance from Junction to Ambient on P.C.board mounting.

CURRENT 35.0 Ampere
VOLTAGE RANG 50 to 1000 Volts

KBPC3501 THRU KBPC3510

Rating and Characteristic Curves ($T_A = 25^{\circ}\text{C}$ Unless otherwise noted)

Fig. 1 Derating Curve for Output Rectified Current

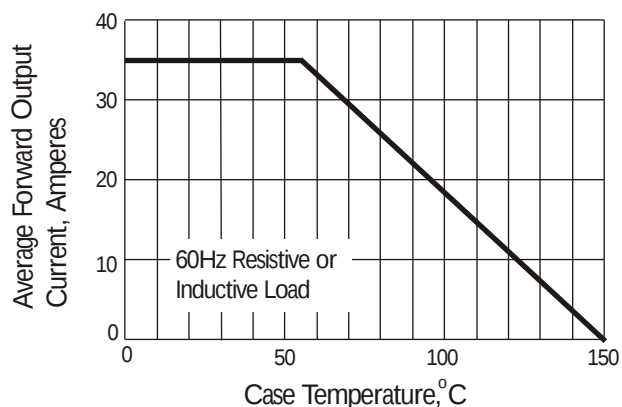


Fig. 2 Maximum Non-repetitive Peak Forward Surge Current

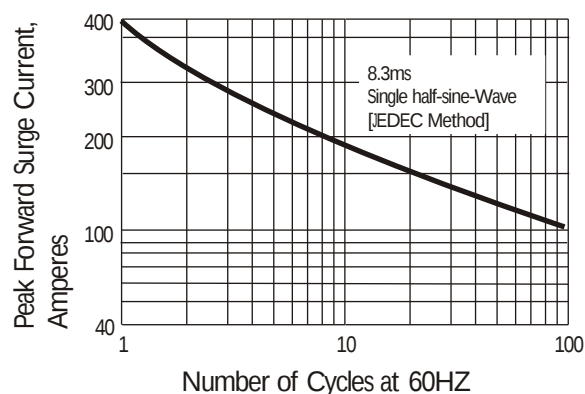


Fig. 3 Typical Instantaneous Forward Characteristics

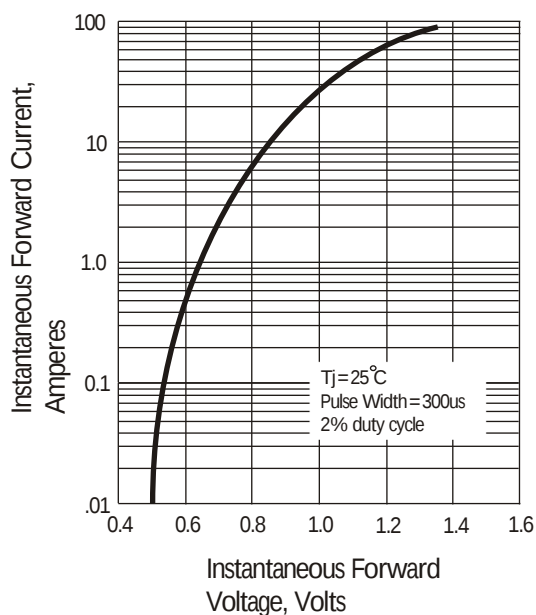


Fig. 4 Typical Reverse Characteristics at $T_J = 25^{\circ}\text{C}$

