# **KBPC35005 THRU KBPC3510**

## Silicon Bridge Rectifiers

# Reverse Voltage - 50 to 1000 Volts Forward Current - 35 Amperes

#### **Features**

- Low forward voltage drop
- Electrically isolated base -2000 Volts
- High surge forward current capability
- Materials used carries U/L recognition

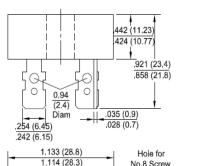
#### **Mechanical Data**

- Polarity: Symbol marked on body
- Mounting position: Any

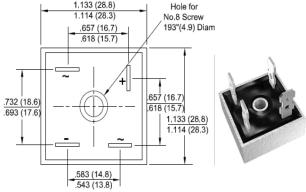
### **Applications**

 General purpose use in AC/DC bridge full wave rectification, for power supply, industrial automation applications, etc.

# KBPC



ROHS



Package Outline Dimensions in Inches (Millimeters)

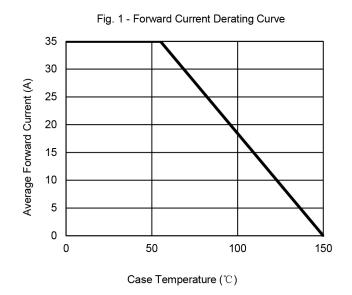
## **Maximum Ratings and Electrical Characteristics**

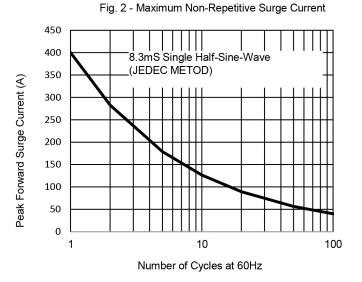
Rating at 25℃ ambient temperature unless otherwise specified.

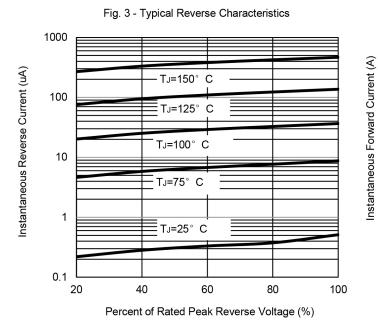
Single phase, half wave, 60Hz, resistive or inductive load.

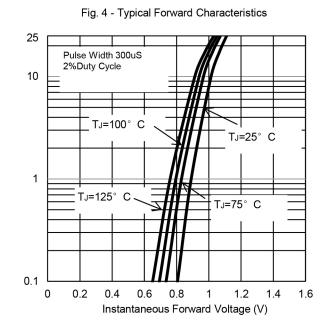
For capacitive load, derate current by 20%.

Characteristics	Symbol	KBPC	KBPC	KBPC	KBPC	KBPC	KBPC	KBPC	Unit
	Gyrribor	35005	3501	3502	3504	3506	3508	3510	
Maximum Repetitive 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 Average Forward Rectified Current @Tc=55 ℃	I(AV)	35							Α
Peak Forward Surge Current, 8.3mS Single Half Sine-Wave,	Ireu	IFSM 400							Α
Superimposed on Rated Load (JEDEC Method)	IFSIVI	400							Α.
I <sup>2</sup> t Rating for Fusing (t<8.3mS)	l <sup>2</sup> t	664							A <sup>2</sup> s
Peak Forward Voltage per Diode at 17.5A DC	VF	1.1							V
Maximum DC Reverse Current at Rated	lp.	ls 10							μA
DC Blocking Voltage per Diode @TJ=25°C	IK				10				μΛ
Operating Junction Temperature Range	TJ	-55 to +150							$^{\circ}$
Storage Temperature Range	Тѕтс	-55 to +150							$^{\circ}$









#### Disclaimer

ALL specifications and data are subject to be changed without notice to improve reliability function or design or other reasons.

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