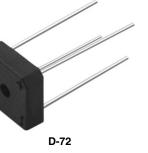
Vishay High Power Products

# Single Phase Rectifier Bridge, 8 A



PRODUCT SUMMARY		
I <sub>O(av)</sub>	8.0 A	
V <sub>RRM</sub>	50 to 1000 V	

#### FEATURES

- Suitable for printed circuit board or chasis mounting
- Compact construction
- High surge current capability
- · Fully characterised data
- Wide temperature range
- RoHS compliant

#### DESCRIPTION

The KBPC series of single phase rectifier bridge consists of four silicon junctions connected as a full bridge. These device are intended for general use in industrial and consumer equipment.

MAJOR RATINGS AND CHARACTERISTICS					
SYMBOL	CHARACTERISTICS	VALUES	UNITS		
IO	$T_{C} = 50 \ ^{\circ}C$ , resistive load	8	A		
	$T_{C} = 50 \ ^{\circ}C$ , capacitive load	6.4			
I <sub>FSM</sub>	50 Hz	125	A		
	60 Hz	137			
l <sup>2</sup> t	50 Hz	110	A <sup>2</sup> s		
	60 Hz	100	A-S		
V <sub>RRM</sub>	Range	50 to 1000	V		
TJ		- 55 to 150	°C		

#### **ELECTRICAL SPECIFICATIONS**

#### **VOLTAGE RATINGS V<sub>RRM</sub>, MAXIMUM REPETITIVE V<sub>RSM</sub>, MAXIMUM NON-REPETITIVE** PEAK REVERSE VOLTAGE PART NUMBER PEAK REVERSE VOLTAGE ۷ ۷ **KBPC8005** 50 80 KBPC801 100 150 KBPC802 200 300 KBPC804 400 500 KBPC806 600 700 KBPC808 800 900 KBPC810 1000 1100

For technical questions, contact: ind-modules@vishay.com

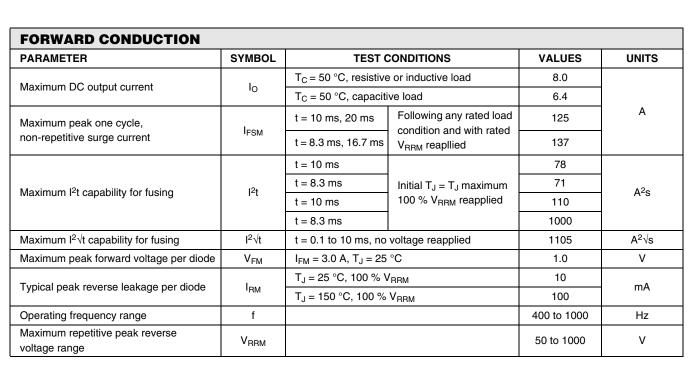




### **KBPC8** Series

Vishay High Power Products

### Single Phase Rectifier Bridge, 8 A



THERMAL AND MECHANICAL SPECIFICATIONS					
PARAMETER	SYMBOL	VALUES	UNITS		
Operating and storage temperature range	T <sub>J</sub> , T <sub>Stg</sub>	- 55 to 150	°C		
Thermal resistance, junction to case	R <sub>thJC</sub>	6	K/W		
Approximate weight		6	g		
		0.21	0Z.		

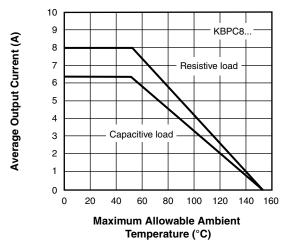


Fig. 1 - Current Ratings

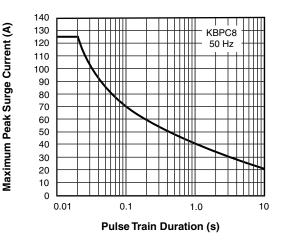


Fig. 2 - Non-Repetitive Surge Ratings

LINKS TO RELATED DOCUMENTS		
Dimensions	http://www.vishay.com/doc?95250	
	·	

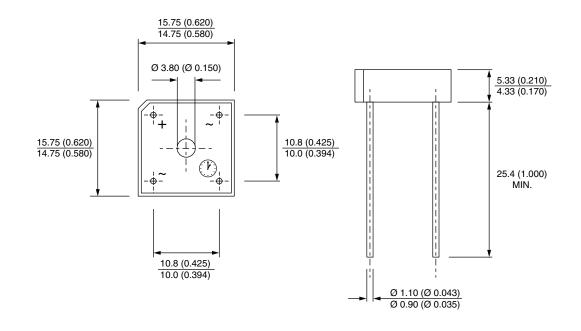




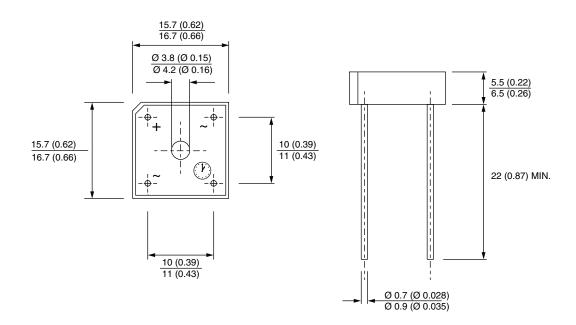
**Vishay Semiconductors** 

**D-72** 

#### DIMENSIONS in millimeters (inches): KBPC6, KBPC8



#### DIMENSIONS in millimeters (inches): KBPC1





Vishay

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 BP
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