

KBPC8 Series

Vishay High Power Products

Single Phase Rectifier Bridge, 8 A



FEATURES

• Suitable for printed circuit board or chasis mounting



- Compact construction
- High surge current capability
- Fully characterised data
- Wide temperature range

RoHS compliant

PRODUCT SUMMARY		
I _{O(av)}	8.0 A	
V _{RRM}	50 to 1000 V	

DESCRIPTION

х

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	
lo	T _C = 50 °C, resistive load	8	٨	
	$T_C = 50$ °C, capacitive load	6.4	A	
I _{FSM}	50 Hz	125	А	
	60 Hz	137	A	
l ² t	50 Hz	110	A ² s	
	60 Hz	100	A-5	
V _{RRM}	Range	50 to 1000	V	
TJ		- 55 to 150	°C	

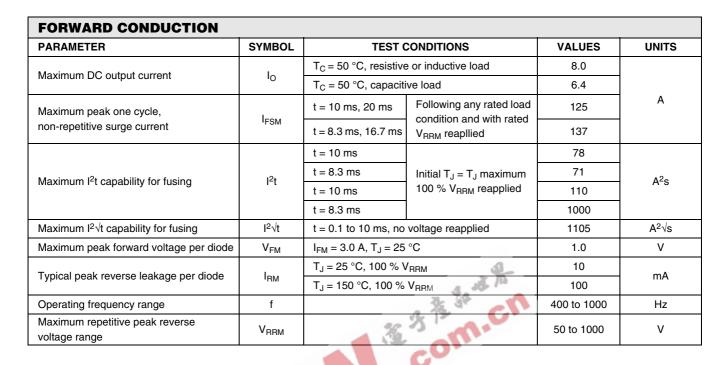
ELECTRICAL SPECIFICATIONS

VOLTAGE RATINGS				
PART NUMBER	V _{RRM} , MAXIMUM REPETITIVE PEAK REVERSE VOLTAGE V	V _{RSM} , MAXIMUM NON-REPETITIVE PEAK REVERSE VOLTAGE V		
KBPC8005	50	80		
KBPC801	100	150		
KBPC802	200	300		
KBPC804	400	500		
KBPC806	600	700		
KBPC808	800	900		
KBPC810	1000	1100		

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 _J , T _{Stg}	- 55 to 150	C°	
Thermal resistance, junction to case	R _{thJC}	6	K/W	
Approvimete weight		6	g	
Approximate weight		0.21	0Z.	

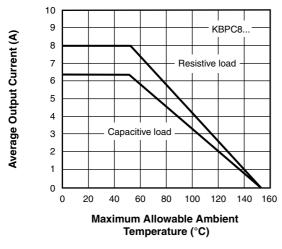


Fig. 1 - Current Ratings

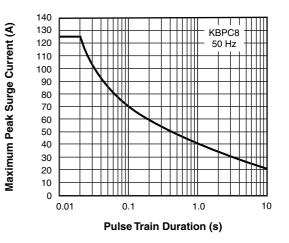


Fig. 2 - Non-Repetitive Surge Ratings

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



Vishay

Disclaimer

All product specifications and data are subject to change without notice.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

Vishay disclaims any and all liability arising out of the use or application of any product described herein or of any information provided herein to the maximum extent permitted by law. The product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein, which apply to these products.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications unless otherwise expressly indicated. Customers using or selling Vishay products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify Vishay for any damages arising or resulting from such use or sale. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.