

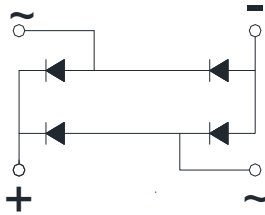
Bridge Rectifiers

Features

- UL recognition, file #E230084
- Glass passivated chip junction
- Suitable for printed circuit board or chassis mounting
- Compact construction
- High surge current capability
- Solder dip 275 °C max. 7s, per JESD 22-B106

Typical Applications

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



Mechanical Data

- Package: KBPC6
- Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Polarity: As marked on body

Maximum Ratings (T_a=25 Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	KBPC6005	KBPC601	KBPC602	KBPC604	KBPC606	KBPC608	KBPC610
Device marking code			KBPC6005	KBPC601	KBPC602	KBPC604	KBPC606	KBPC608	KBPC610

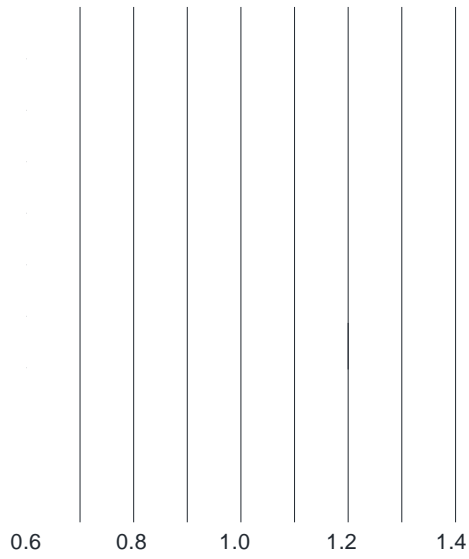
Maximum Repetitive Peak Reverse Voltage	VRRM	V	50	100	200	400	600	800	1000
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Average Rectified Output Current @60Hz sine wave, R-load, T _c =120	I _O	A	6.0						
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, T _j =25	I _{FSM}	A	150						
Current squared time @1ms t 8.3ms T _j =25, Rating of per diode	I ² t	A ² S	93.4						
Dielectric strength @ Terminals to case, AC 1 minute	V _{dis}	KV	2.5						
Mounting torque @Recommend torque 5kg cm	Tor	kg cm	8						
Storage temperature	T _{stg}		-55 ~ +150						
Junction temperature	T _j		-55 ~ +150						





KBPC6005 THRU KBPC610



Outline Dimensions

KBPC6		
Dim	Min	Max
A	14.7	15.7
B	10.3	11.3
C	6.35	7.6
D	15.0	/
E	0.95	1.05
F	3.8	4.2



KBPC6005 THRU KBPC610

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