NOT RECOMMENDED FOR NEW DESIGNS
USE KBP2005G-BP~KBP210G-BP Series

Micro Commercial Components

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20736 Marilla Street Chatsworth
CA 91311
Phone: (818) 701-4933
Fax: (818) 701-4939

2KBP005 THRU 2KBP10

2.0 Amp Glass Passivated Bridge Rectifier 50 to 1000 Volts

Features

- Halogen free available upon request by adding suffix "-HF"
- Glass Passivate Die Construction
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Ideal for Printed Circuit Boards
- Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates Compliant. See ordering information)
- UL Recognized File # E165989

Maximum Ratings

- Operating Temperature: -55°C to +165°C
- Storage Temperature: -55°C to +165°C

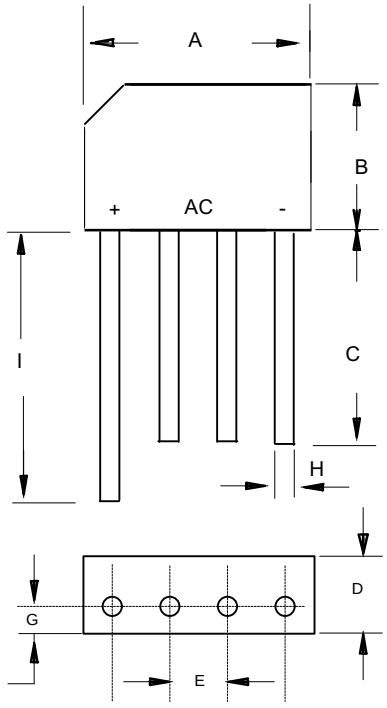
MCC Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
2KBP005	50V	35V	50V
2KBP01	100V	70V	100V
2KBP02	200V	140V	200V
2KBP04	400V	280V	400V
2KBP06	600V	420V	600V
2KBP08	800V	560V	800V
2KBP10	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	2.0A	T_a = 50°C
Peak Forward Surge Current	I_{FSM}	60A	8.3ms, half sine
Maximum Forward Voltage Drop Per Element	V_F	1.2V	I_F = 2.0A per
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	10σA 0.5mA	T_a = 25°C T_a = 125°C

Notes: 1.High Temperature Solder Exemption Applied,See EU Directive Annex Notes 7

KBPL



DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	
A	.559	.60	14.22	15.24	
B	.42	.46	10.60	11.68	
C	.50	---	12.7	---	
D	.146	.153	3.70	3.90	
E	.142	.161	3.60	4.10	
G	.046	.054	1.17	1.37	
H	.028	.034	0.70	0.90	
I	.561	---	14.25	---	

FIG. 1 - DERATING CURVE OUTPUT RECTIFIED CURRENT

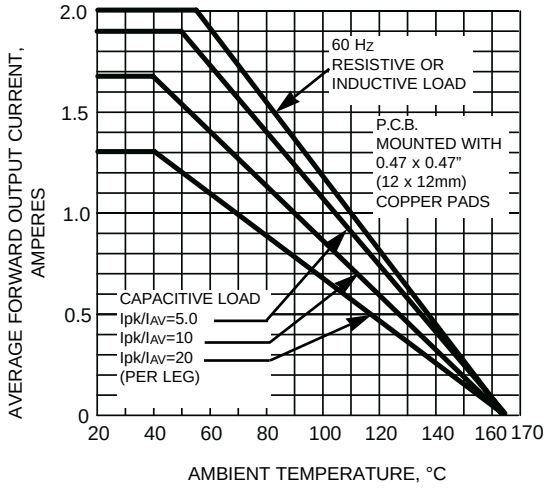


FIG. 2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER LEG

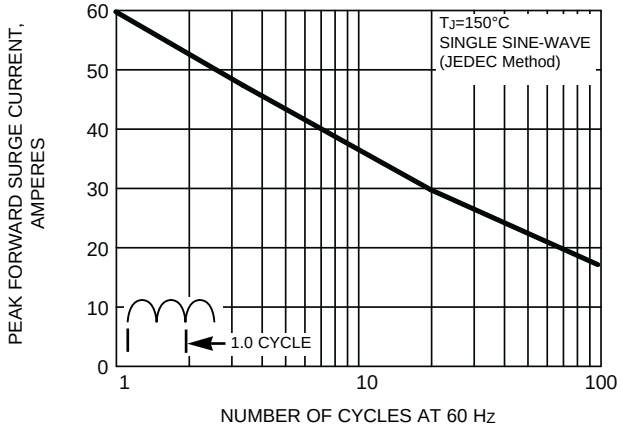


FIG. 3 - TYPICAL FORWARD CHARACTERISTICS PER LEG

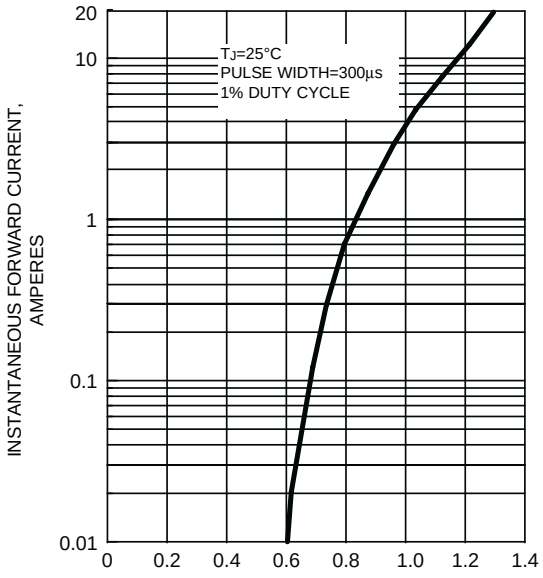


FIG. 4 - TYPICAL REVERSE LEAKAGE CHARACTERISTICS PER LEG

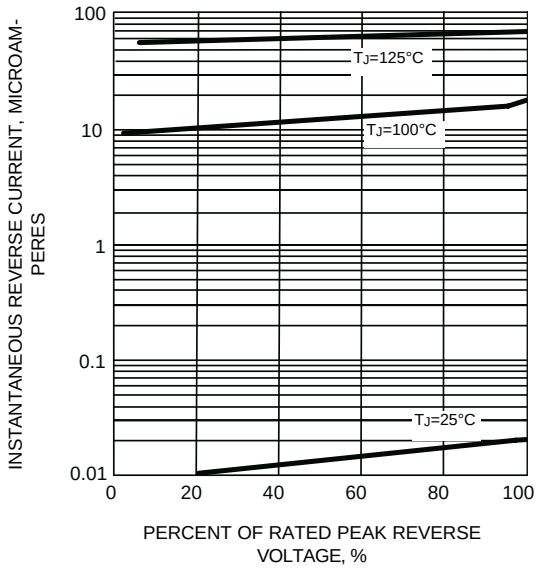
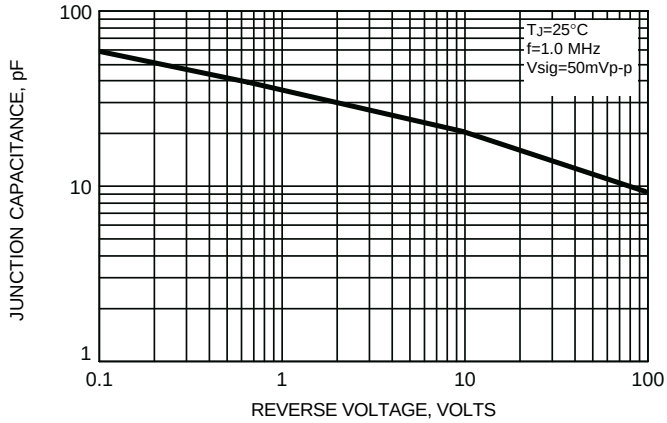


FIG. 5 - TYPICAL JUNCTION CAPACITANCE PER LEG



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Ordering Information :

Device	Packing
Part Number-BP	Bulk: 1Kpcs/Box

Note : Adding "-HF" suffix for halogen free, eg. Part Number-BP-HF

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