

**KBP2005G
THRU
KBP210G**

**2 Amp
Glass Passivated
Bridge Rectifier
50 to 1000 Volts**

Features

- Ideal for printed circuit board
- Electrically isolated base 1800Volts
- Lead: Silver Plated Cooper Lead
- Halogen free available upon request by adding suffix "-HF"
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)

Maximum Ratings

- Thermal Resistance Junction to Case: 14°C/W
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- UL Recognized File # E165989

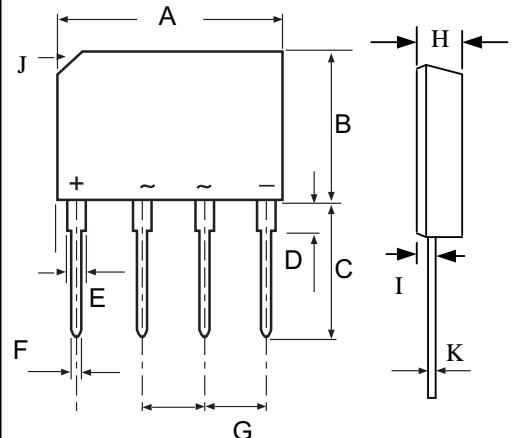
MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
KBP2005G	KBP2005G	50V	35V	50V
KBP201G	KBP201G	100V	70V	100V
KBP202G	KBP202G	200V	140V	200V
KBP204G	KBP204G	400V	280V	400V
KBP206G	KBP206G	600V	420V	600V
KBP208G	KBP208G	800V	560V	800V
KBP210G	KBP210 G	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	2.0A	$T_A = 65^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	50A	8.3ms, half sine
Maximum Forward Voltage Drop Per Element	V_F	1.1V	$I_{FM} = 2.0\text{A}$ per element; $T_A = 25^\circ\text{C}^*$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	10μA 1mA	$T_J = 25^\circ\text{C}$ $T_J = 100^\circ\text{C}$

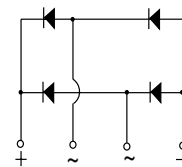
Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7

GBP



DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.561	.580	14.25	14.75	
B	.406	.417	10.10	10.60	
C	.561	.581	14.25	14.73	
D	.071	.087	1.80	2.20	
E	.048	.056	1.22	1.42	
F	.030	.034	0.76	0.86	
G	.146	.154	3.70	3.90	
H	.131	.144	3.35	3.65	
I	.031	.043	0.80	1.10	
J	.106 x45°		2.70x45°		
K	.014	.022	0.35	0.55	



Case Type

KBP2005G THRU KBP210G

RATING AND CHARACTERISTICS CURVES

FIG. 1 - FORWAED CURRENT DERATING CURVE

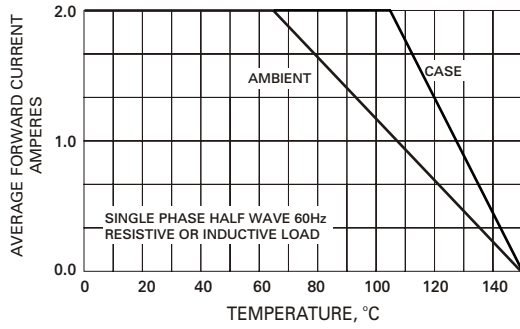


FIG. 2 - MAXIMUM NON-REPETITIVE SURGE CURRENT

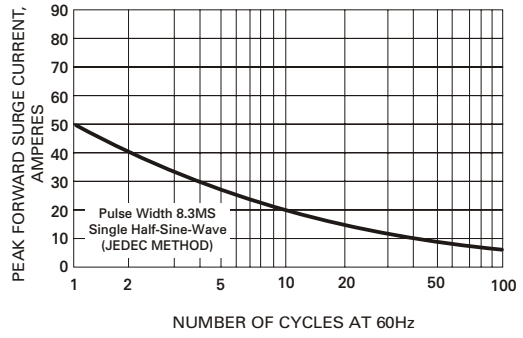


FIG. 3 - TYPICAL JUNCTION CAPACITANCE

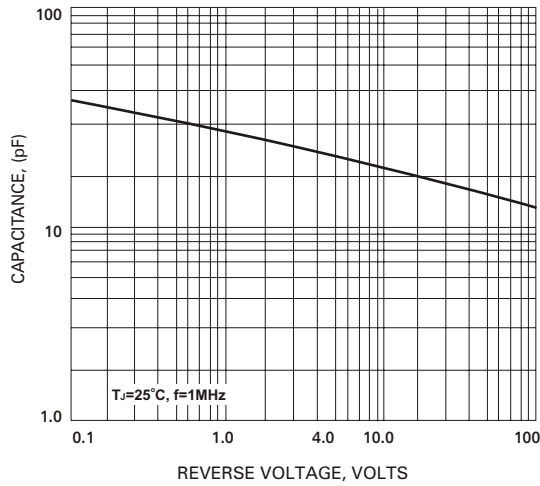


FIG. 4 - TYPICAL FORWARD CHARACTERISTICS

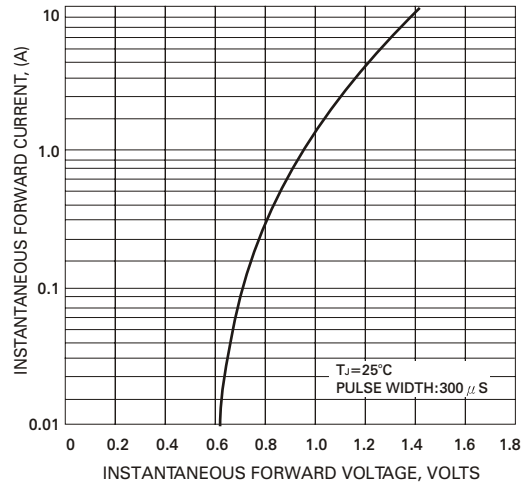
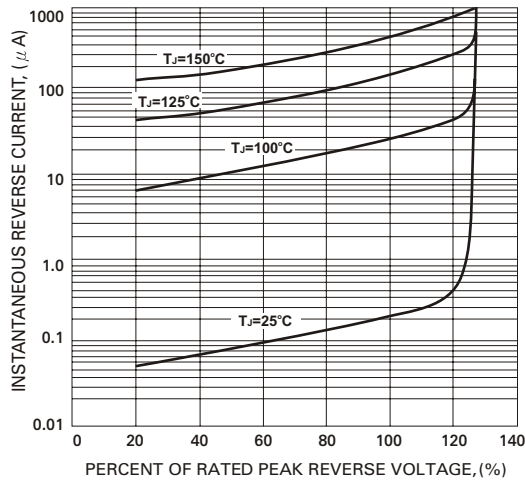


FIG. 5 - TYPICAL REVERSE CHARACTERISTICS





Ordering Information

Device	Packing
(Part Number)-BP	Bulk: 4.2Kpcs/Ctn

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

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