

	<b>E502650</b>
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**Features**

- Lead Free Finish/RoHS Compliant (Note1) ("P" Suffix Designates Compliant. See Ordering Information)
- Halogen Free. "Green" Device (Note 2)
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1

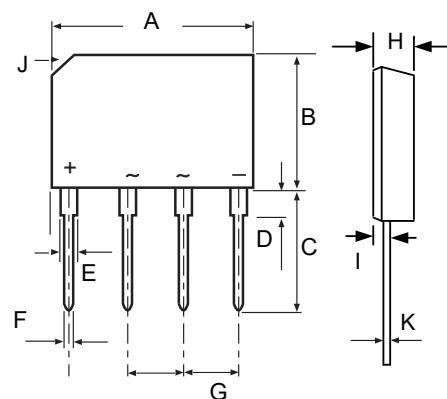
**Maximum Ratings**

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance: 8 °C/W Junction To Case

MCC Part 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	KBP210G	1000V	700V	1000V

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

**GBP**

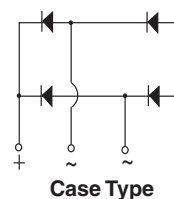


**Electrical Characteristics @ 25°C Unless Otherwise Specified**

Average Forward Current	$I_{F(AV)}$	2.0A	$T_A = 65^\circ\text{C}$
Peak Forward Surge Current	$I_{FSM}$	60A	8.3ms, Half Sine
Maximum Forward Voltage Drop Per Element	$V_F$	1.05V	$I_{FM} = 2.0\text{A Per Element}; T_J = 25^\circ\text{C}$
Maximum DC Reverse Current At Rated DC Blocking Voltage	$I_R$	10µA 1mA	$T_J = 25^\circ\text{C}$ $T_J = 100^\circ\text{C}$
Dielectric Strength	$V_{ISO}$	2KV	
Rating for Fusing	$I^2t$	15 A <sup>2</sup> s	$t < 8.3\text{ms}$
Typical Junction Capacitance	$C_J$	25 pF	Measured at 1.0MHz, $V_R = 4.0\text{V}$

Note: 1. High Temperature Solder Exemption Applied, See EU Directive Annex Notes 7a  
2. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	0.561	0.580	14.25	14.75	
B	0.406	0.417	10.10	10.60	
C	0.561	0.581	14.25	14.73	
D	0.071	0.087	1.80	2.20	
E	0.046	0.056	1.17	1.42	
F	0.030	0.034	0.76	0.86	
G	0.140	0.160	3.56	4.06	
H	0.131	0.161	3.35	4.10	
I	0.031	0.043	0.80	1.10	
J	0.106 X 45°		2.70 X 45°		
K	0.012	0.025	0.30	0.64	



**Curve Characteristics**

Fig. 1 - Forward Current Derating Curve

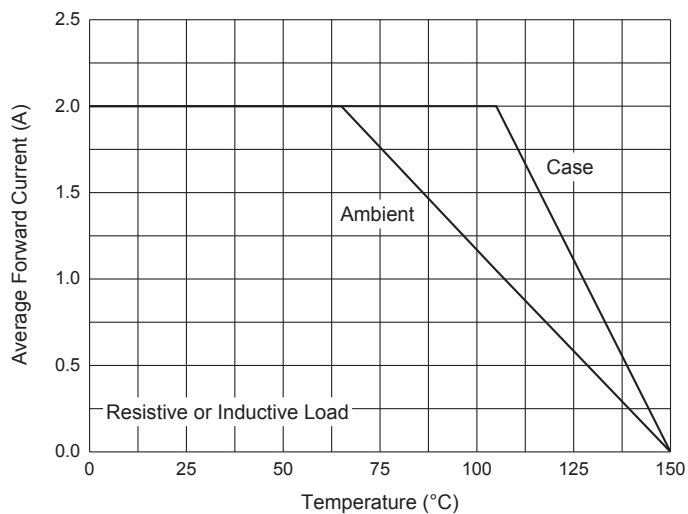


Fig. 2 - Maximum Non-Repetitive Peak Forward Surge Current

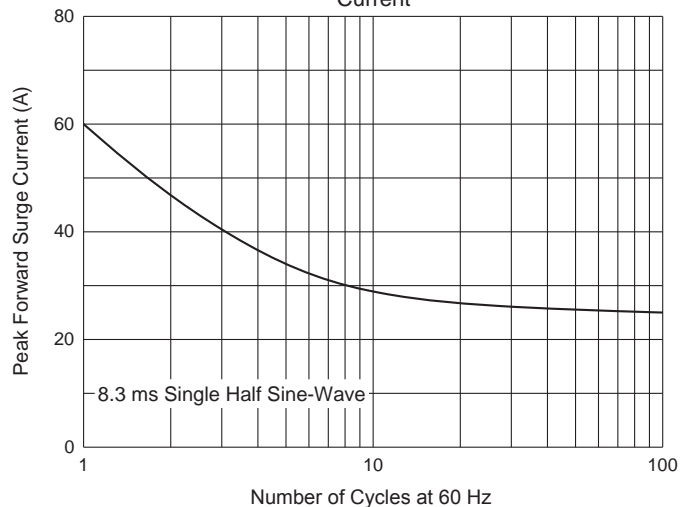


Fig. 3 - Typical Instantaneous Forward Characteristics

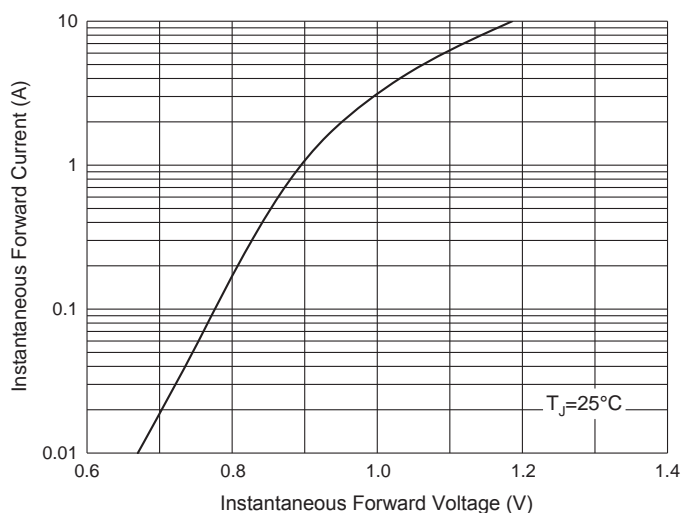


Fig. 4 - Typical Reverse Leakage Characteristics

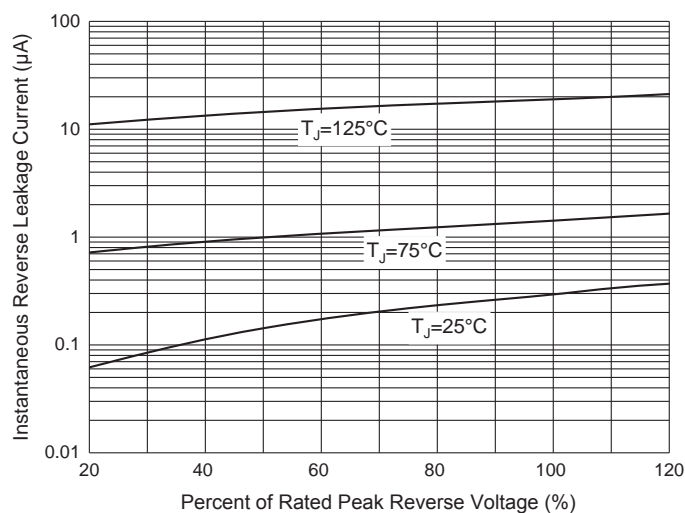
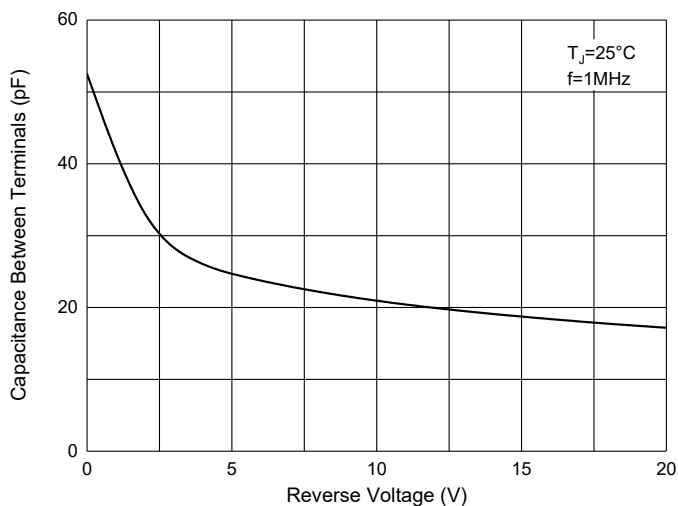


Fig. 5 - Capacitance Characteristics



## Ordering Information

Device	Packing
Part Number-BP	Bulk:35pcs/Tube,2100pcs/Box,4200pcs/Carton

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