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E502650

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

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

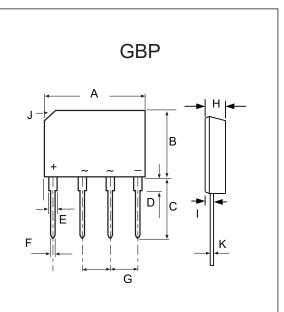
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	2.0A	T _A = 65°C	
Peak Forward Surge Current	I _{FSM}	60A	8.3ms, Half Sine	
Maximum Forward Voltage Drop Per Element	V _F	1.05V	I _{FM} = 2.0A Per Element; T _J = 25°C	
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	10µA 1mA	T _J = 25°C T _J = 100°C	
Dielecric Strength	V _{ISO}	2KV		
Rating for Fusing	l²t	15 A ² s	t<8.3ms	
Typical Junction Capacitance	CJ	25 pF	Measured at 1.0MHz, V _R =4.0V	

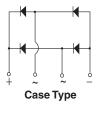
Note: 1. High Temperature Solder Exemption Applied, See EU Directive Annex Notes 7a

2. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

2.0 Amp Glass Passivated Bridge Rectifier 50 to 1000 Volts



	DIMENSIONS						
DIM	INCHES		MM		NOTE		
	MIN	MAX	MIN	MAX	NOTE		
А	0.561	0.580	14.25	14.75			
В	0.406	0.417	10.10	10.60			
С	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			
Н	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

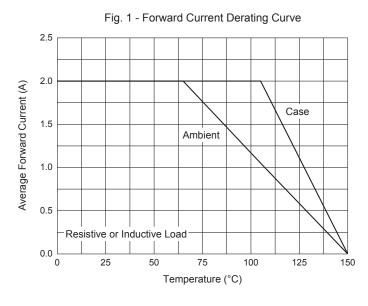


Fig. 3 - Typical Instantaneous Forward Characteristics

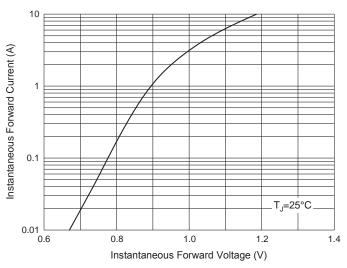
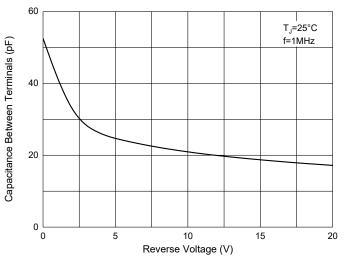


Fig. 5 - Capacitance Characteristics



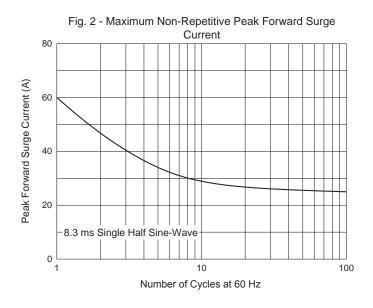
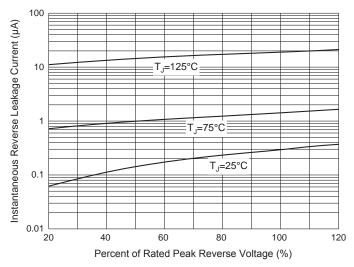


Fig. 4 - Typical Reverse Leakage Characteristics





Ordering Information

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

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