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E502650

Features

- Halogen Free. "Green" Device (Note 1)
- Lead Free Finish/RoHS Compliant (Note 2) ("P"Suffix Designates Compliant. See Ordering Information)
- High Surge Forward Current Capability
- 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: 1.5°C/W Junction to Case(Note 3)
- Thermal Resistance: 28°C/W Junction to Ambient

Mechanical Data

• Mounting Torque: 0.5 N•m

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
KBJA1506	KBJA1506	600V	420V	600V
KBJA1508	KBJA1508	800V	560V	800V
KBJA1510	KBJA1510	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

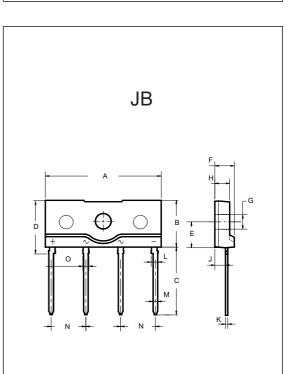
Average Forward Current	I _{F(AV)}	15A 3.2A	T_{C} = 100°C,With Heatsink T_{A} = 25°C,Without Heatsink	
Peak Forward Surge Current	I _{FSM}	220A	8.3ms, Half Sine	
Maximum Instantaneous Forward Voltage	V _F	1.0V	I _{FM} = 7.5A; T _J = 25°C	
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	5μΑ 150μΑ	T _J = 25°C T _J = 125°C	
I ² t Rating for Fusing	l ² t	200A ² S	(1ms< t<8.3ms)	
Dielectric Strength	V _{dis}	2KV	Terminals to Case, AC 1 Minute	

Note:

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

3.Device mounted on 75mm x 45mm x 5.5mm Aluminum Plate Heatsink.

15 Amp Glass Passivated Bridge Rectifier 600 to 1000 Volts



	INC	DIM		M		
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	0.972	0.996	24.70	25.30		
В	0.394	0.417	10.00	10.60		
С	0.575	0.598	14.60	15.20		
D	0.449	0.472	11.40	12.00		
Е	0.213	0.236	5.40	6.00		
F	0.154	0.177	3.90	4.50		
G	0.122	0.134	3.10	3.40		
Н	0.114	0.138	2.90	3.90		
J	0.079	0.102	2.00	2.60		
Κ	0.012	0.024	0.40	0.60		
L	0.053	0.061	1.35	1.55		
Μ	0.035	0.043	0.90	1.10		
Ν	0.287	0.303	7.30	7.70		
0	0.047	0.055	1.20	1.40		



Curve Characteristics

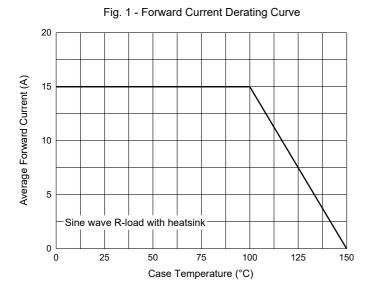
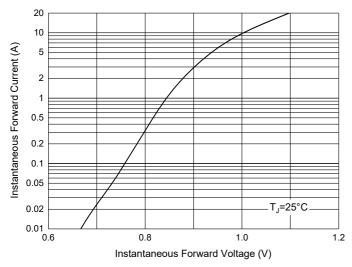
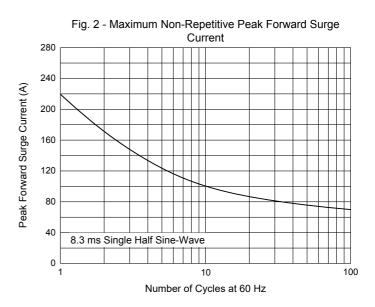
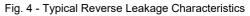
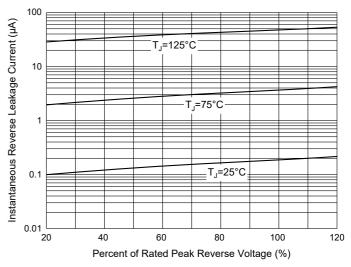


Fig. 3 - Typical Instantaneous Forward Characteristics











Ordering Information

Device	Packing	
Part Number-BP	Bulk:20pcs/Tube,900pcs/Box,1800pcs/Carton	

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