

KBP04G thru KBP10G

GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - 400 to 1000 Volts FORWARD CURRENT - 1.5 Amperes

FEATURES

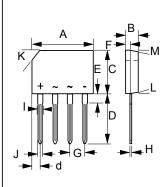
- Rating to 1000V PRV
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- The plastic material has UL flammability classification 94V-0
- UL recognized file # E95060

MECHANICAL DATA

Polarity: As marked on bodyWeight: 0.05 ounces, 1.52 grams

• Mounting position : Any

KBP



KBP						
DIM.	MIN.	MAX.				
Α	14.25	14.75				
В	3.35	3.65				
С	10.20	10.60				
D	14.25	14.73				
d	1.40	1.70				
E	1.80	2.20				
F	0.80	1.10				
G	3.56	4.06				
Н	0.35	0.55				
I	1.22	1.42				
J	0.76	0.86				
K	2.7 x 45°(Typ.)					
L	_	3°				
М	-	2°				
All Dimensions in millimeter						

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

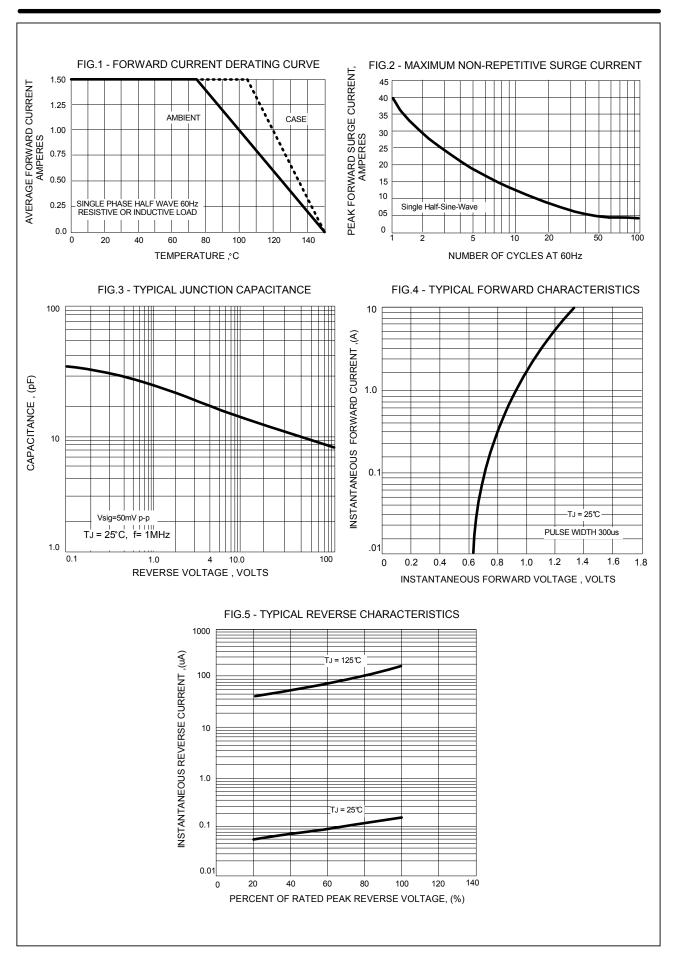
CHARACTERISTICS	SYMBOL	KBP 04G	KBP 06G	KBP 08G	KBP 10G	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	400	600	800	1000	V
Maximum RMS Voltage	VRMS	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	400	600	800	1000	V
Maximum Average Forward @Tc =105 ℃ Rectified Current @TA =75 ℃	I(AV)	1.5				А
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	IFSM	40				А
Maximum forward Voltage at 1.5A DC		1.1				V
Maximum DC Reverse Current @TJ =25 ℃ at Rated DC Blocking Voltage @TJ=125 ℃	lR	5.0 500				uA
I²t Rating for fusing (t < 8.3ms)	l²t	6.6				A ² S
Typical Junction Capacitance per element (Note 1)	Сл	20			pF	
Typical Thermal Resistance (Note 2)		18				C/W
Operating Temperature Range	TJ	-55 to 150			င	
Storage Temperature Range	Тѕтс	-55 to 150			Ĵ	

NOTES : 1.Measured at 1.0MHz and applied reverse voltage of 4.0VDC.

2.Unit Mounted on 75mm x 75mm x 1.6mm Cu Plate Heatsink.

REV. 7, Sep-2010, KBDE01







Important Notice and Disclaimer

LSC reserves the right to make changes to this document and its products and specifications at any time without notice. Customers should obtain and confirm the latest product information and specifications before final design, purchase or use.

LSC makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does LSC assume any liability for application assistance or customer product design. LSC does not warrant or accept any liability with products which are purchased or used for any unintended or unauthorized application.

No license is granted by implication or otherwise under any intellectual property rights of LSC.

LSC products are not authorized for use as critical components in life support devices or systems without express written approval of LSC.