

KBP204G~KBP210G

GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE – 400 to 1000 Volts FORWARD CURRENT – 2.0 Ampere

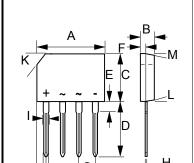
FEATURES

- 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 #95060

MECHANICAL DATA

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

· Mounting position : Any



<u>KBP</u>

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				
Е	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

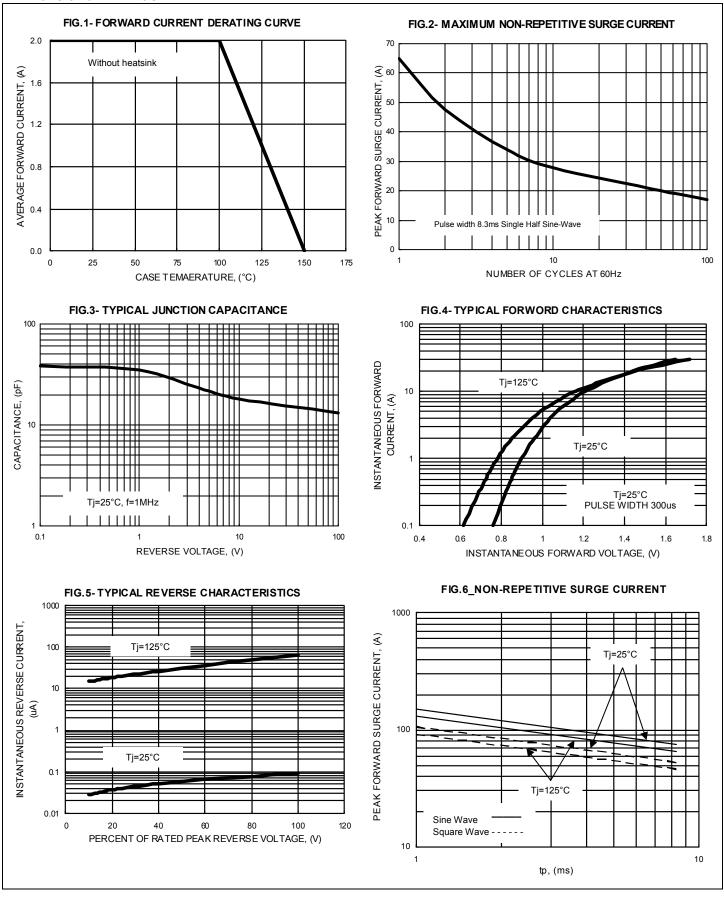
Ratings at 25°C ambient temperature unless otherwise specified.

CHARACTERISTICS	SYMBOL	KBP204G	KBP206G	KBP208G	KBP210G	UNIT
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	400	600	800	1000	V
Maximum Average Forward Rectified Current @T _C =100°C	I _(AV)	2.0			Α	
Peak Forward Surge Current @ Tj = 25 °C 8.3ms single half sine-wave @ T _J = 125°C	I _{FSM}	75 65				Α
Peak Forward Surge Current@ Tj = 25 $^{\circ}$ C1.0ms single half sine-wave@ T _J = 125 $^{\circ}$ C	I _{FSM}	150 130			А	
Maximum Forward Voltage at 2.0A DC	V _F	1.1			V	
Maximum DC Reverse Current at rated @Tj=25°C Blocking Voltage @Tj=125°C	I _R	5.0 500			uA	
I^2 t Rating for fusing (3ms \leq t \leq 8.3ms)	l ² t	17.5			A ² S	
Typical Junction Capacitance per element (Note 1)	CJ	25			pF	
Typical thermal resistance, Junction to Case	R⊖ _{JC}	10			°C/W	
Operation Temperature Range	TJ	-55 to 150			°C	
Storage Temperature Range	T _{STG}	-55 to 150				°C

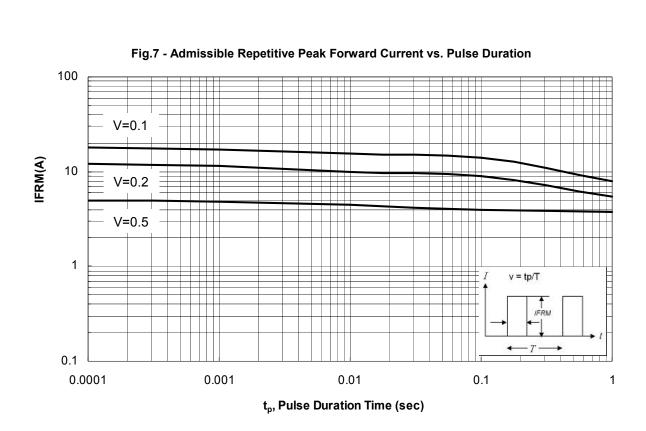
Note1: Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

REV. 14, Nov-2010, KBDE02











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