

GLASS PASSIVATED BRIDGE RECTIFIERS

FEATURES

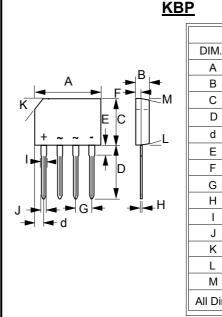
- Rating to 1000V PRV
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- The plastic material has UL flammability classification 94V-0
- UL recognized file #95060

MECHANICAL DATA

- Polarity : As marked on body
- Weight : 0.05 ounces, 1.52 grams
- Mounting position : Any

KBP204GL~KBP210GL

REVERSE VOLTAGE – 400 to 1000 Volts FORWARD CURRENT – 4.0 Ampere



	КВР				
DIM					
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			
К	2.7 x 45°(Typ.)				
L	-	3°			
М	-	2°			
All Dimensions in millimeter					

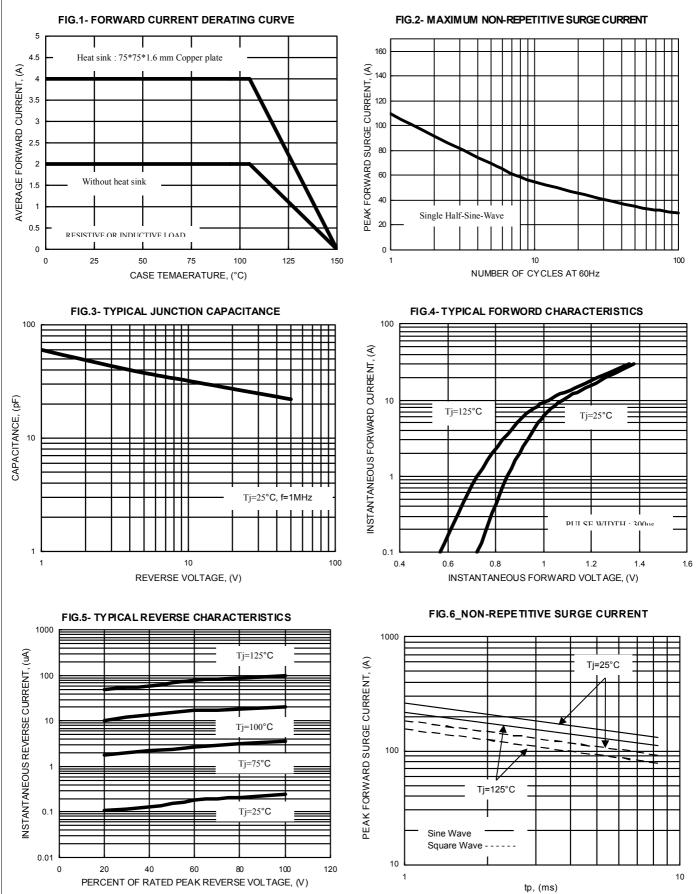
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS Ratings at 25°C ambient temperature unless otherwise specified.

CHARACTERISTICS	SYMBOL	KBP204GL	KBP206GL	KBP208GL	KBP210GL	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 (With heatsink) Current @T _C =105°C (Without heatsink)	I _(AV)	4.0 2.0				А
Peak Forward Surge Current@ Tj = 25 $^{\circ}$ C8.3ms single half sine-wave@ Tj = 125 $^{\circ}$ C	I _{FSM}	130 110			A	
Peak Forward Surge Current@ Tj =25 $^{\circ}$ C1.0ms single half sine-wave@ T_J=125 $^{\circ}$ C	I _{FSM}	260 220				А
Maximum Forward Voltage at 4.0A 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	50			A ² S	
Typical Junction Capacitance per element (Note 1)	CJ	40				pF
Typical thermal resistance (Note 2)	R⊖ _{JC} R⊖ _{JL} R⊖ _{JA}	6.0 8.0 15				°C/W
Operation Temperature Range	TJ	-55 to +150				°C
Storage Temperature Range	T _{STG}	-55 to +150				°C

Note: (1) Measured at 1.0MHz and applied reverse voltage of 4.0V DC. (2) Unit mounted on 75mm x 75mm x 1.6mm Copper plate heatsink.

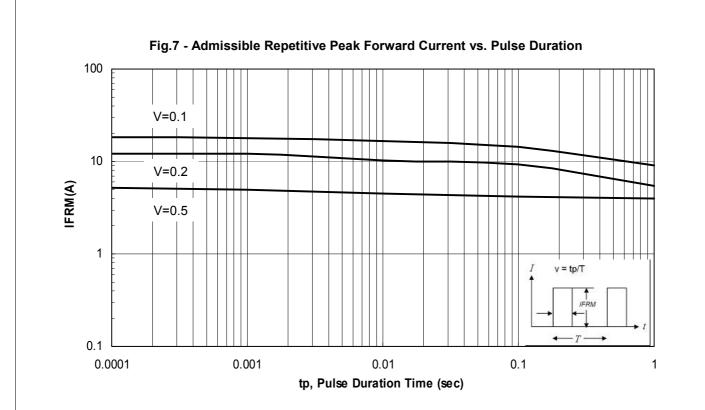
REV. 11, Aug-2012, KBDE03

RATING AND CHARACTERISTIC CURVES KBP204GL thru KBP210GL



LITEON

RATING AND CHARACTERISTIC CURVES KBP204GL thru KBP210GL







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.