

KBL005G THRU KBL10G

Glass Passivated Bridge Rectifiers	Reverse Voltage - 50 to 1000 Volts Forward Current - 4.0 Amperes					
Features	KBL					
Glass passivated chip	.768 (19.5)					
Low forward voltage drop	.157 (4.0) *45° .728 (18.5) RoHS					
 Ideal for printed circuit board 	COMPLIANT					
 High surge current capability 	.587 (14.9) .640 (16.3)					
 Meet UL flammability classification 94V-0 	.547 (13.9)					
	+					
Mechanical Data						
 Polarity: Symbol marked on body 						
Mounting position: Any	052 (1.3) Dia					
	.052 (1.3) Dia. .048 (1.2) Typ.					
Applications						
• General purpose use in AC/DC bridge full wave rectification,						
for SMPS, lighting ballaster, adapter, etc.	087 (2 2)					
	.087 (2.2) .071 (1.8) .180 (4.6)					
	.236 (6.0)					
	Destruction Disconsistent in tractions (Million (com)					
Maximum Patings and Electrical Characteristi	Package Outline Dimensions in Inches (Millimeters)					
Maximum Ratings and Electrical Characteristi						
Rating at 25 °C ambient temperature unless otherwise specified.						
Single phase, half wave, 60Hz, resistive or inductive load.						
For capacitive load, derate current by 20%.						

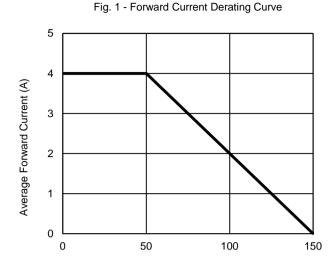
Symbol	KBI	KBI	KBI	KBI	KBI	KBI	KBI	Unit
	005G	01G	02G	04G	06G	08G	10G	
Vrrm	50	100	200	400	600	800	1000	V
Vrms	35	70	140	280	420	560	700	V
VDC	50	100	200	400	600	800	1000	V
l(AV)	4.0							А
125							•	
IFSM	125							A
l ² t	64.8							A ² s
VF	1.1							V
	10.0							μA
IR	1.0							mA
TJ	-55 to +150							°C
Тstg	-55 to +150							°C
	VRRM VRMS VDC I(AV) IFSM I ² t VF IR TJ	J 005G VRRM 50 VRMS 35 VDC 50 I(AV) 1 IFSM 1 VF 1 IR 1	Symbol 005G 01G VRRM 50 100 VRMS 35 70 VDC 50 100 I(AV)	Symbol 005G 01G 02G VRRM 50 100 200 VRMS 35 70 140 VDC 50 100 200 I(AV)	$\begin{array}{c c c c c c c c c c c c c c c c c c c $			$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

Note: Mounting conditions ,0.5" lead length maximum.

KBL*G-B-00/99-00/01 Rev. 11, 20-Dec-2019

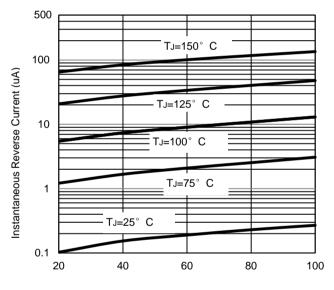
Rating and Characteristic Curves KBL005G THRU KBL10G



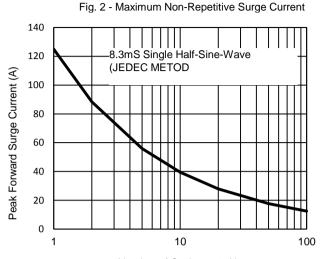


Ambient Temperature (°C)



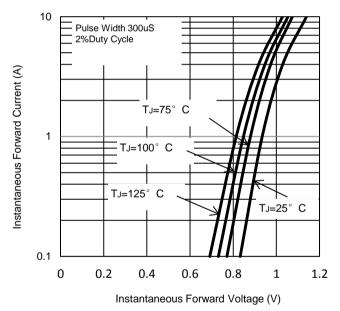


Percent of Rated Peak Reverse Voltage (%)



Number of Cycles at 60Hz





The curve above is for reference only.

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