

# EDCON-COMPONENTS



## Specifications

### Features

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Glass passivated Chip junctions
- UL-File number: E252843
- High surge current capability

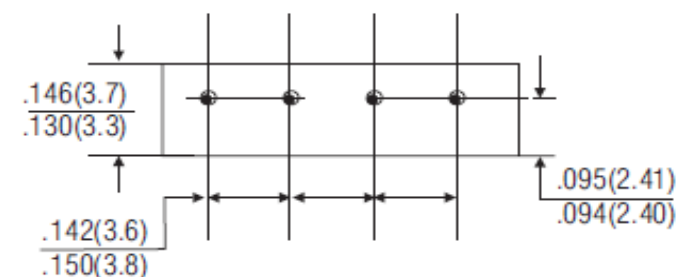
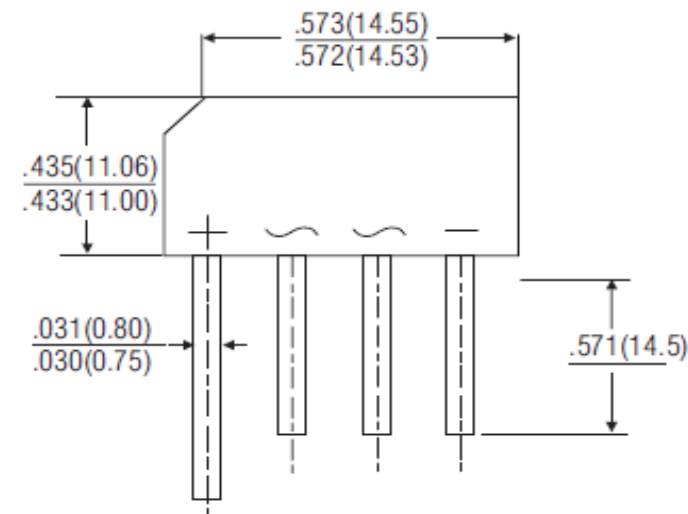
### Mechanical Data

- Molded plastic body over passivated junctions Terminals plated leads solderable per MIL-STD-750 Method 2026
- Polarity symbols marked on body
- Weight 1,62gramm

### Maximum Ratings & Electrical Characteristics Ratings at 25°C ambient temperature

	SYMB OLS	KBP 2005G	KBP 201G	KBP 202G	KBP 204G	KBP 206G	KBP 208G	KBP 210G	UNITS
Maximum reccurrent peak reverse voltage	VRRM	50	100	200	400	600	800	1000	Volts
Maximum rms Input voltage	VRMS	35	70	140	280	420	560	700	Volts
Maximum dc blocking voltage	VDC	50	100	200	400	600	800	1000	Volts
Maximum average forward output rectified	$T_A=50^\circ\text{C}$ I(AV)	2.0							Amps
Peak forward surge current 8.3ms single half sine-wave	IFSM	60							Amps
Maximum forward voltage	@IF=2.0A VF	1.1							Volts
Maximum reverse voltage	$T_A=25^\circ\text{C}$ $T_A=125^\circ\text{C}$ IR	5.0 500							$\mu\text{A}$
Operating and storage temperature range	TJ,TSTG	-55 to +150							$^\circ\text{C}$

## Technical Drawing (Unit: inch(mm))



**Single Inline Bridge Rectifier  
2,0A (Glass Passivated)**

EDCON-Ser. **E14003**

International Serie: **KBP2xxxG**

DRW: Jason	CHKD: Wilson	MATL: Wilson	TOLERANCE: Mason	DATE: 10.05.2010
APPD: Schumi	FINISH: Jamy		Sheet No.:	1 from 5

[www.edcon-components.com](http://www.edcon-components.com)

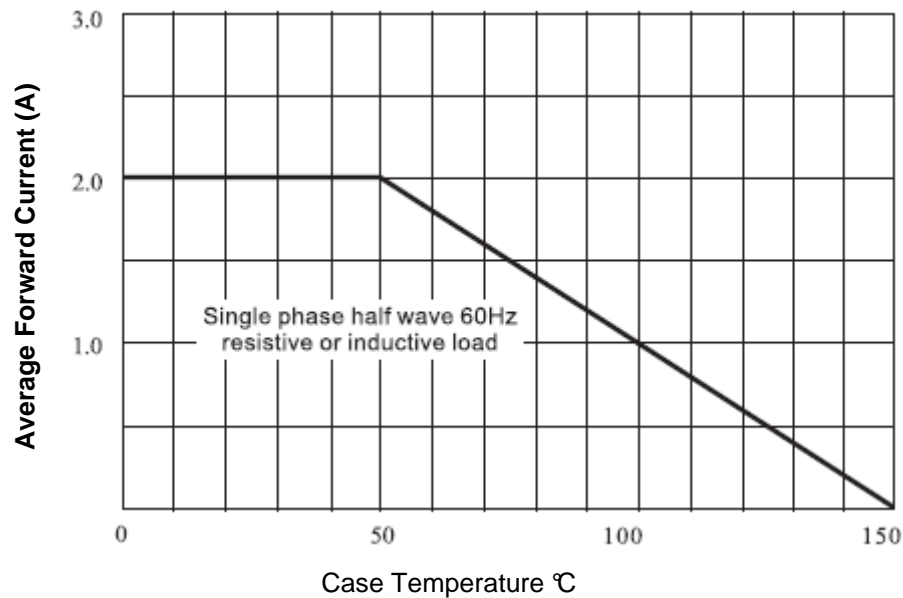
email: [info@edcon-components.com](mailto:info@edcon-components.com)

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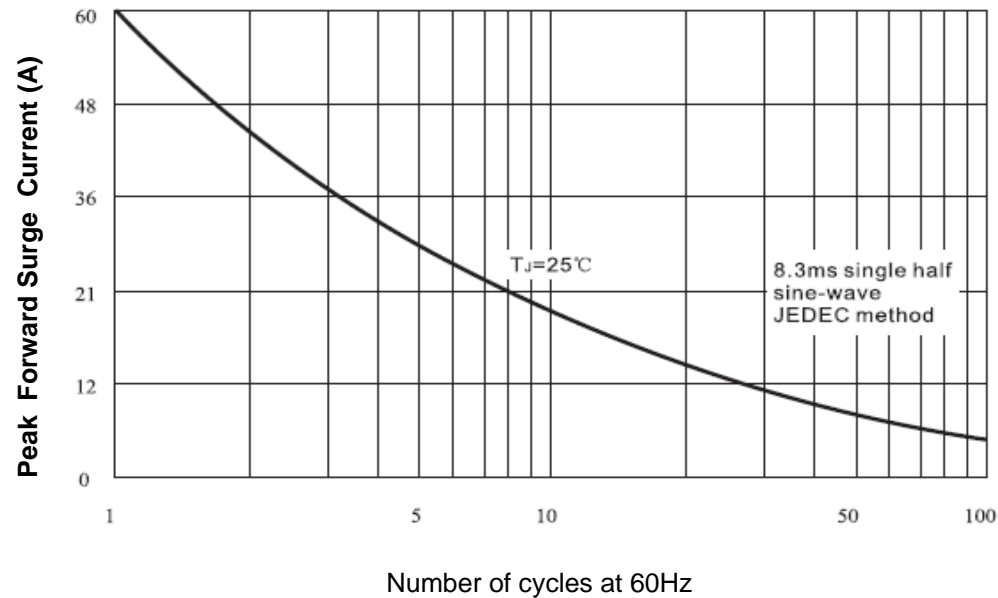


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Current Derating Curve



Maximum NON-Repetitive Forward Surge Current



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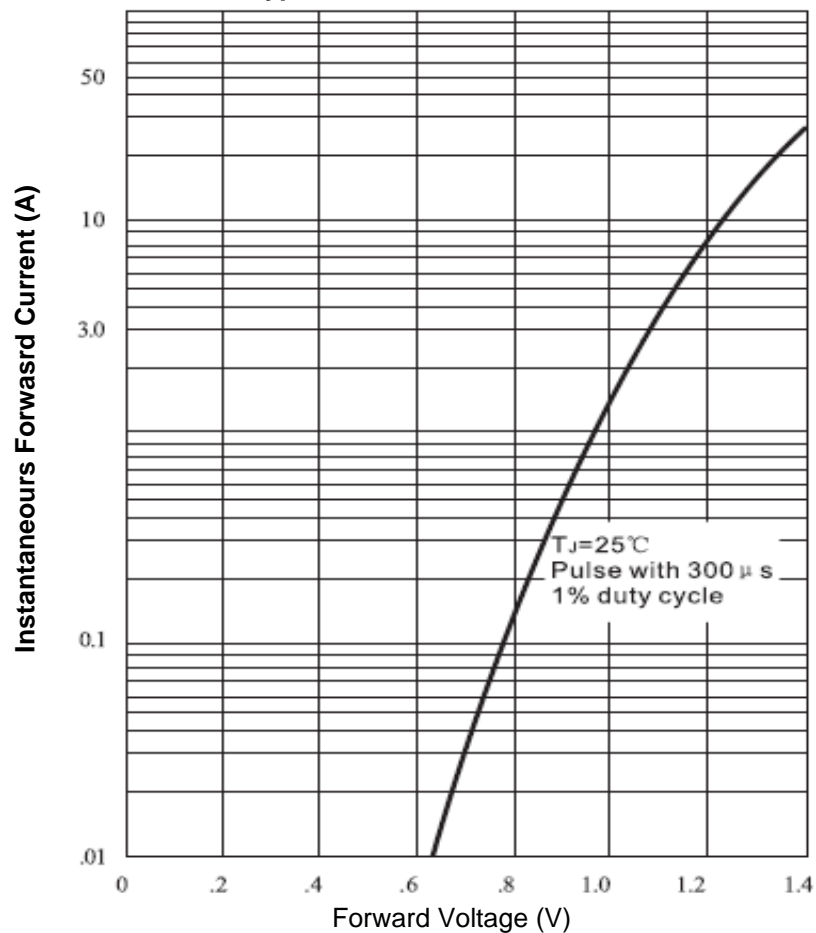
International Serie: **KBP2xxxG**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
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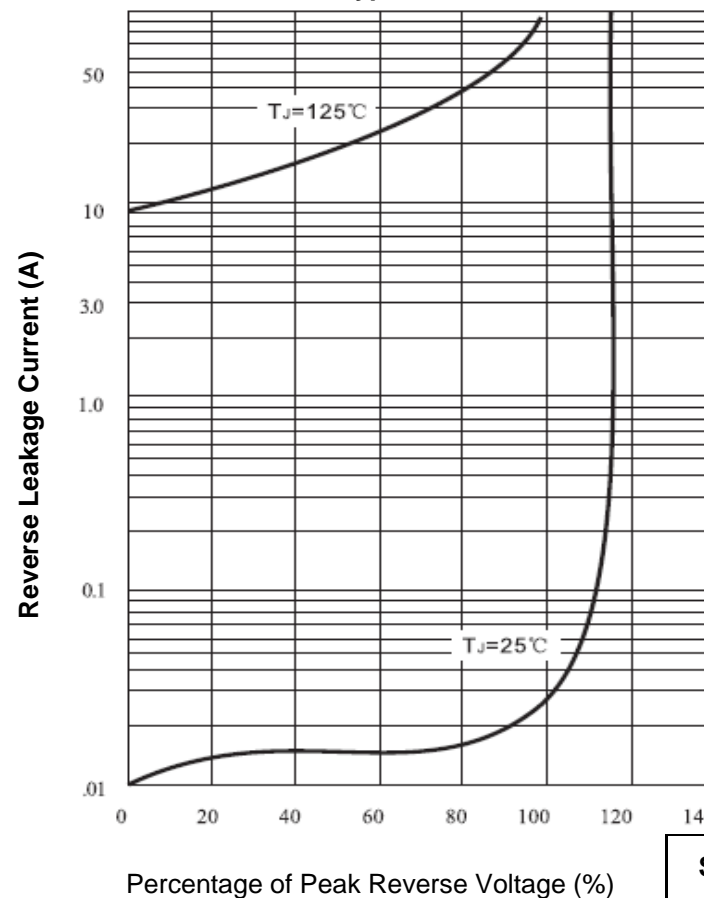


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



Typical Reverse Characteristics



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## Ordering Informations

EDCON Serie	International Type	Lead function	ROHS	Package						
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<b>E14003</b>	<b>KBP2xxx</b>	<b>LL</b>	<b>R</b>	<b>BX</b>						
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Look Voltage Code Table	<b>LL</b> = Long Lead	<b>R</b> = ROHS Conform	<b>BX</b> = Box
	<b>L4</b> = 4mm Lead Length	<b>N</b> = NON ROHS Conform	

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Soldering Profile Curve

Classification Reflow Profile (JEDEC J-STD-020C)



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