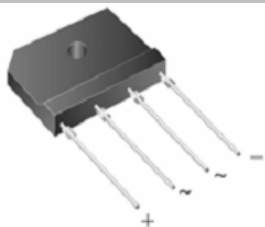


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Specifications

Features

- Plastic package has Underwriters Laboratory Flammability Class 94V-0
- High Surge current capability / UL-File number 252843
- Glass passivated chip junction
- High temperature soldering guaranteed:

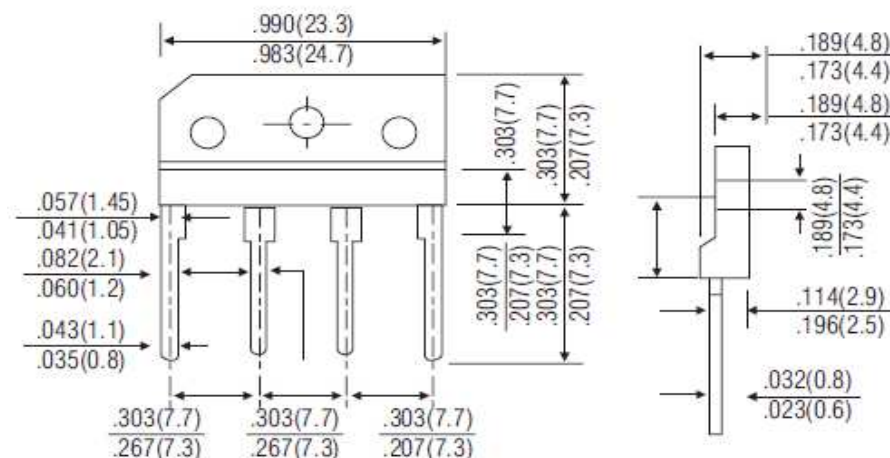
Mechanical Data

- CASE: Molded plastic body over passivated junctions
- Terminals: plated leads solderable per MIL-STD-750, Method 2026
- Polarity: Polarity symbols marked on body
- Weight: 4,6gr.

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

	Symbols	KBJ 4A	KBJ 4B	KBJ 4D	KBJ 4G	KBJ 4J	KBJ 4K	KBJ 4M	Unit
Maximum reeurrent peak reverse Voltage	VRRM	50	100	200	400	600	800	1000	Volt
Maximum rms Input voltage	VRMS	35	70	140	280	420	560	700	Volt
Maximum dc blocking Voltage	VDC	50	100	200	400	600	800	1000	Volt
Maximum average forward output rectified TA=50°C	I(AV)	4,0							Amps
Peak forward surge current 8,3ms single half sine-wave	IFSM	150							Amps
Maximum forward voltage IF=1,5A	VF	1,1							Volt
Maximum revese voltage TA=25°C	IR	5,0							µA
Maximum revese voltage TA=125°C	IR	250							µA
Operating and storage temperature range	TJ TSTG	-55°C to + 150°C							°C
Type junction capacitance VR=4,0V f=1,0Mhz	CJ	45							pF

Technical Drawing (Unit: inch(mm))



**Single Inline Bridge Rectifier
4,0A (Glass Passivated)**

EDCON-Ser. **E14007**

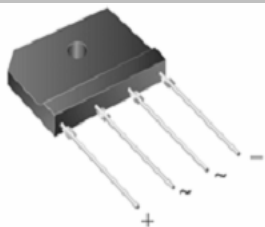
International Serie: **KBJ4x / KBJ4xxG**

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

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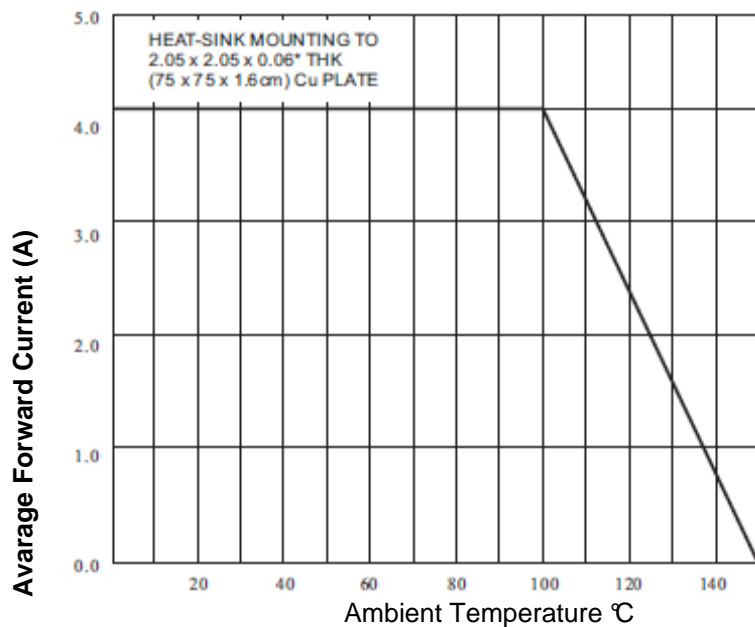
email: info@edcon-components.com

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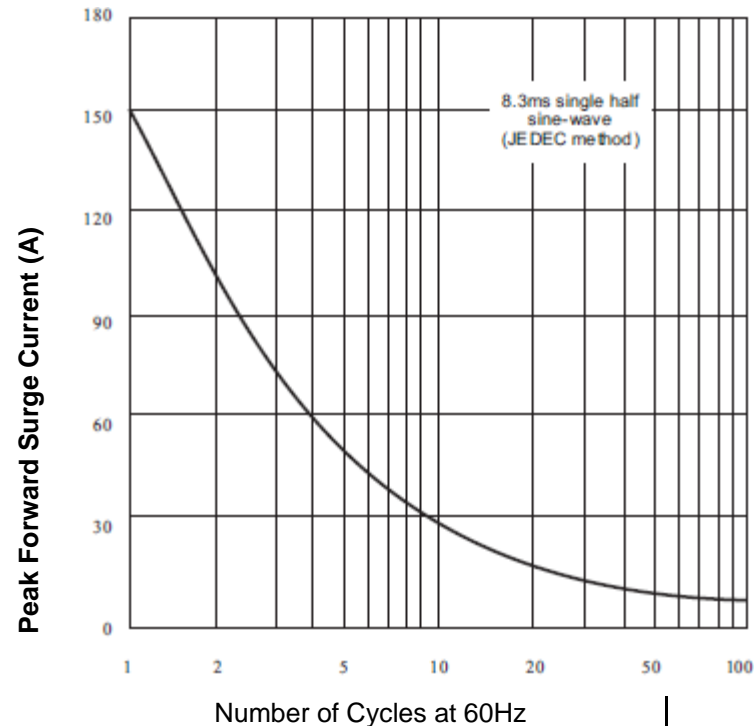


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Current Characteristics Derating Curve



Maximum NON Repetitive Forward Surge Current

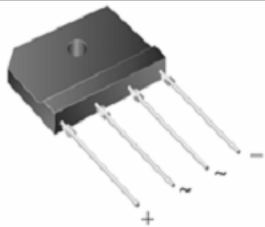


**Single Inline Bridge Rectifier
4,0A (Glass Passivated)**

EDCON-Ser.	E14007
International Serie:	KBJ4x / KBJ4xxG

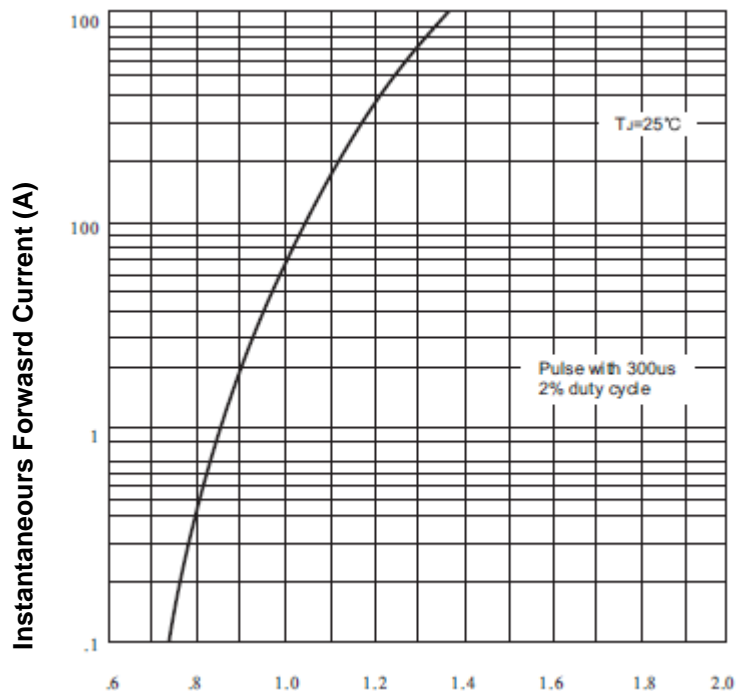
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.	2 from 5	

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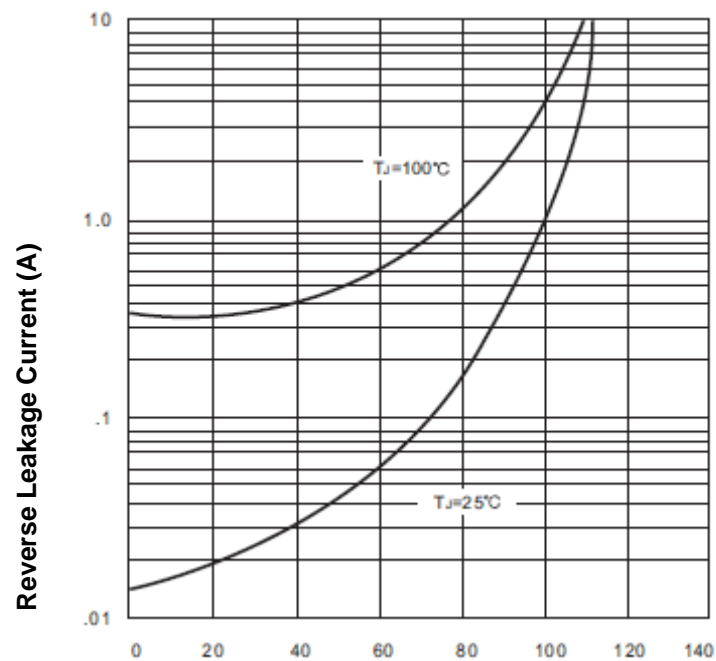


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



Typical Reverse Characteristics



Percentage of peak Reverse Voltage (%)

Forward Voltage (V)

Single Inline Bridge Rectifier
4,0A (Glass Passivated)

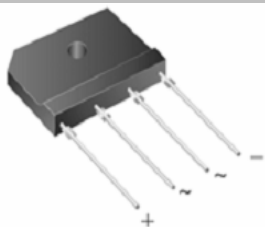
EDCON-Ser.	E14007
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DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
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Rating & Characteristics Curves (TA=25°C unless otherwise noted)

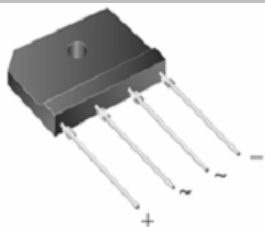
Ordering Informations

EDCON Serie	International Type	Lead Information	ROHS	Package						
E14007	KBJ4x	LL	R	BX						

Look Voltage Code Table	LL = Long Lead	R = ROHS Conform	BX = Box
	L4 = Lead Length 4mm	N = NON ROHS Conform	

Single Inline Bridge Rectifier 4,0A (Glass Passivated)	
EDCON-Ser.	E14007
International Serie:	KBJ4x / KBJ4xxG

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
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Soldering Profile Curve

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



Single Inline Bridge Rectifier 4,0A (Glass Passivated)	
EDCON-Ser.	E14007
International Serie:	KBJ4x / KBJ4xxG

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