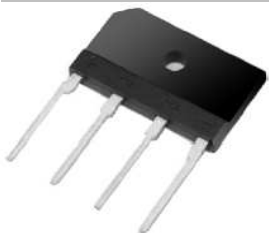


EDCON-COMPONENTS



Specifications

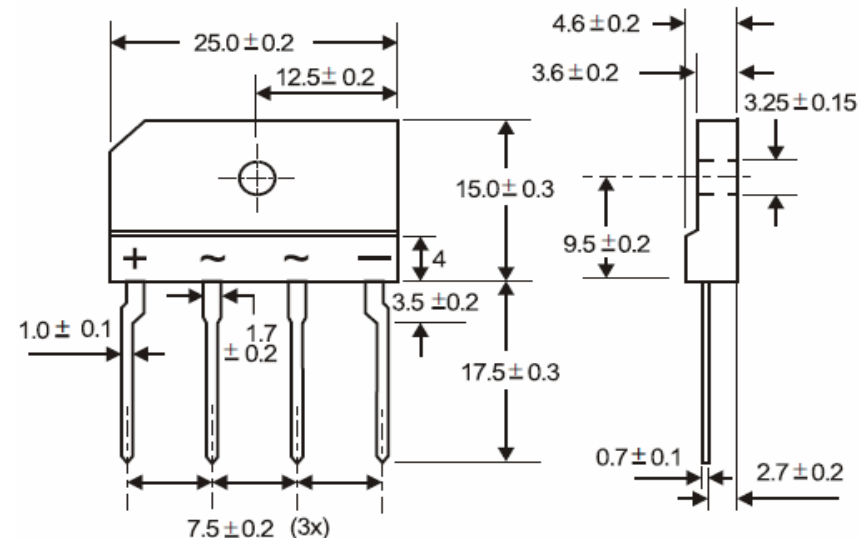
Features

- This Serie is UL listed under the recognized Component index file number E142814
- The plastic material used carries Underwriters Laboratory flammability recognition 94V-0
- Polarity symbols molded on body
- High case dielectric strength of 1500Vrms
- The plastic material used carries Underwriters Laboratory flammability recognition 94V-0
- High surge current capability
- Plated leads solderable per MIL-STD-. 750 Method 2026
- Molded plastic body over passivated junctions
- Weight 4,0gr.

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

	Sym bols	KBJ 4005	KBJ 401	KBJ 402	KBJ 404	KBJ 406	KBJ 408	KBJ 410	Unit
Maximum reccurent 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=100°C	I(AV)	4,0							Amps
Peak forward surge current 8,3ms single half sine-wave	IFSM	120							Amps
Maximum forward voltage drop	VF	1,0							Volt
Maximum revese voltage TA=25°C	IR	10							µA
Maximum revese voltage TA=125°C	IR	250							µA
Operating and storage temperature range	TJ TSTG	-55°C to + 150°C							°C
I²t rating for fusing	I²t	60							A²t
Typical thermal resistance junction to case	R 0 JA	5,5							°C/W

Technical Drawing (Unit: inch(mm))



**Single Inline Bridge Rectifier
4,0A**

EDCON-Ser. **E15007**

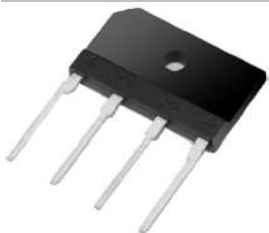
International Serie: **KBJ4xx**

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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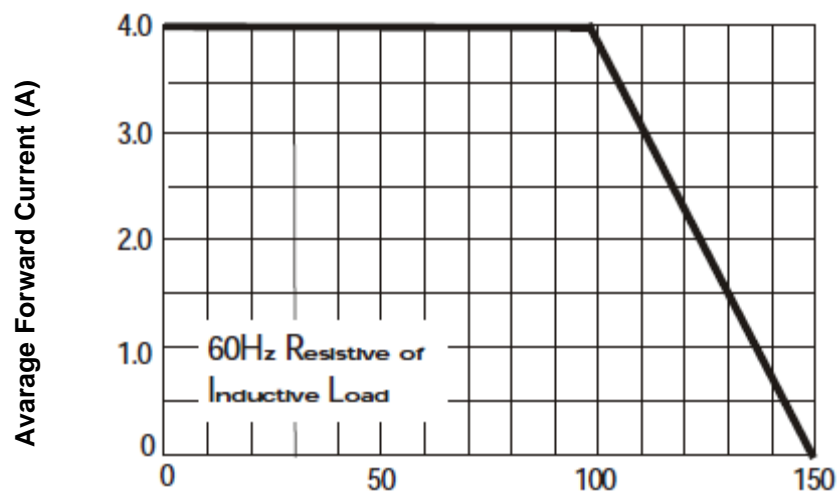
email: info@edcon-components.com

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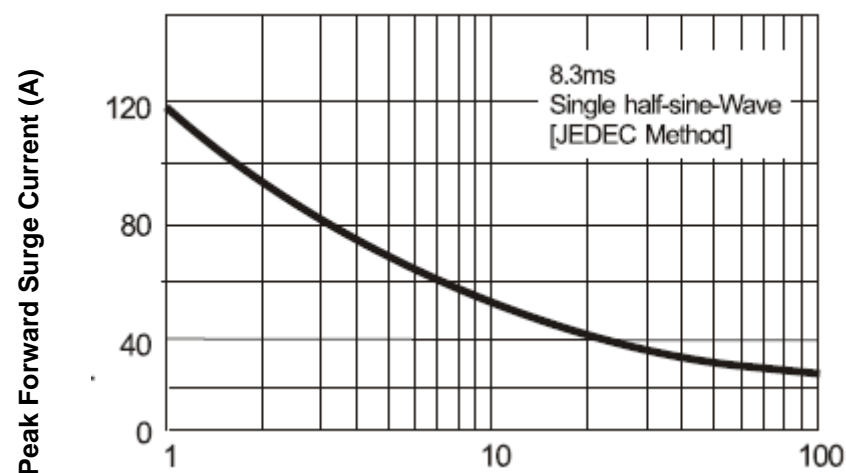


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Derating Curve for Output Rectified Current



Maximum NON Repetitive Forward Surge Current



Number of Cycles at 60Hz

**Single Inline Bridge Rectifier
4,0A**

EDCON-Ser. **E15007**

International Serie: **KBJ4xx**

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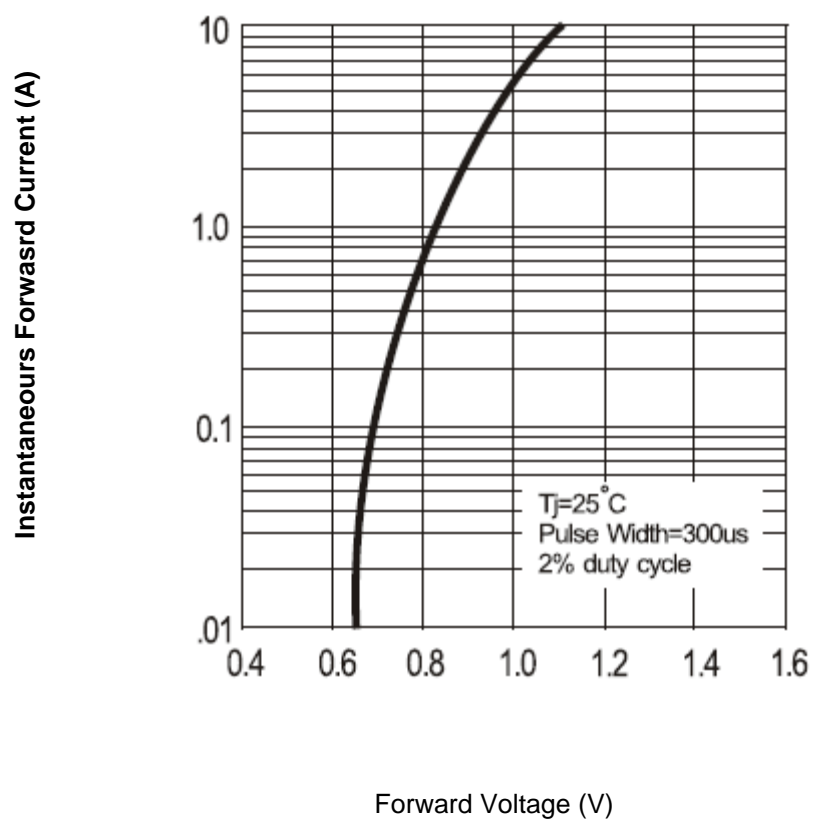
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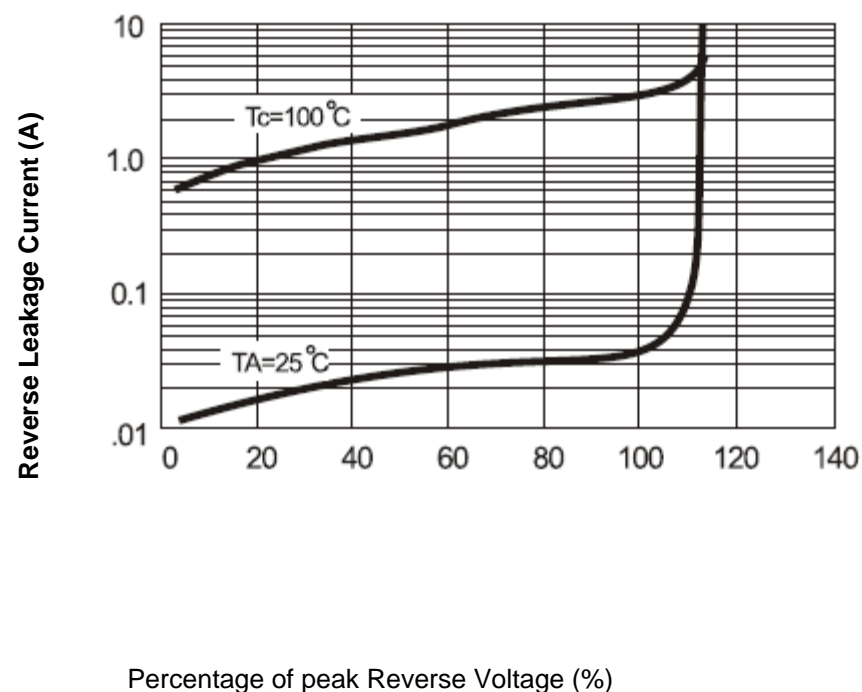


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



Typical Reverse Characteristics



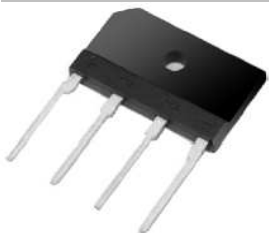
Single Inline Bridge Rectifier 4,0A	
EDCON-Ser.	E15007
International Serie:	KBJ4xx

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.		3 from 5

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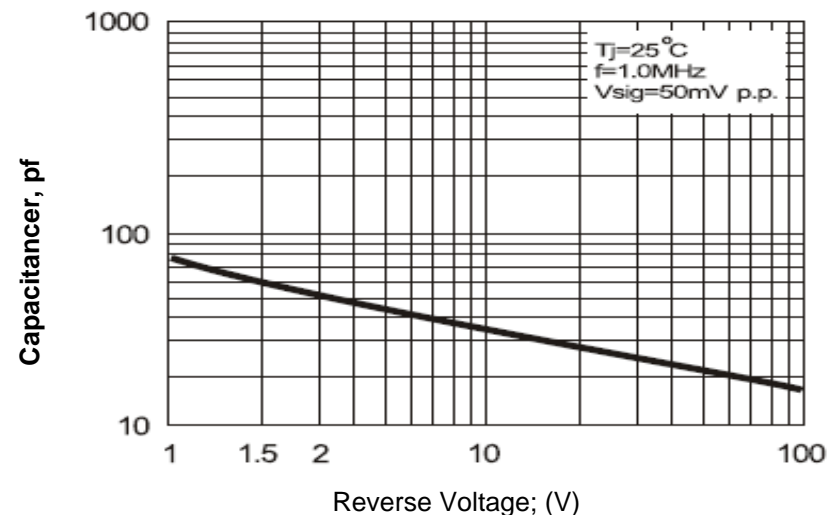
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Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Forward Current Derating Curve



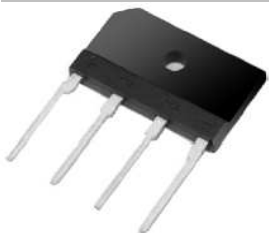
Ordering Informations

EDCON Serie	International Type	NO function	ROHS	Package					
E15007	KBJ4xx	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	
EDCON-Ser.	E15007
International Serie:	KBJ4xx

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	
EDCON-Ser.	E15007
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DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.	5 from 5	