

# EDCON-COMPONENTS



## Specifications

### Features

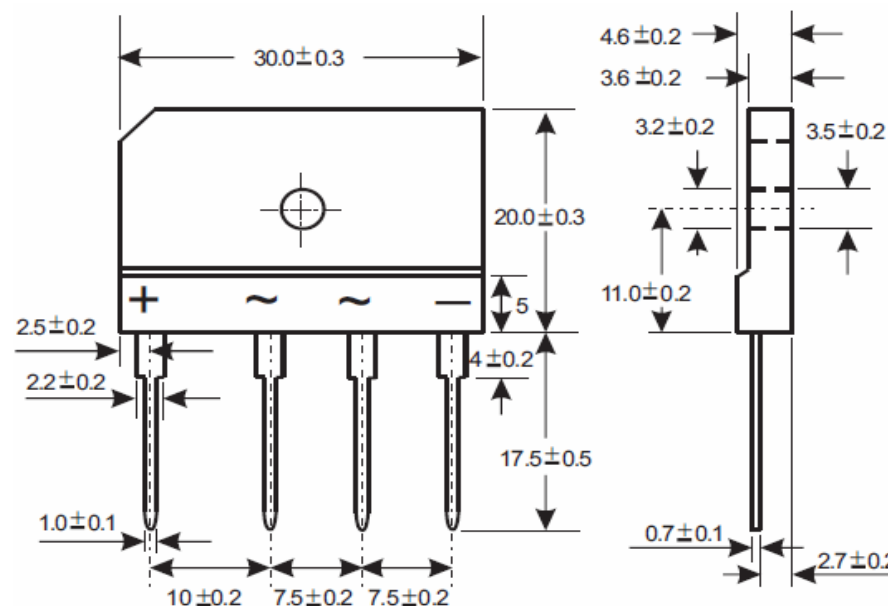
- The plastic material used carries Underwriters Laboratory flammability recognition 94V-0
- This Serie is UL listed under the recognized Component Index file number E142814
- High surge current capability
- Plated leads solderable per MIL-STD-. 750 Method 2026
- Hifg case dielectric strngth of 1500Vrms
- Molded plastic body over passivated junctions

Weight 7,0gr.

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

	Sym bols	KBJ 10005	KBJ 1001	KBJ 1002	KBJ 1004	KBJ 1006	KBJ 1008	KBJ 1010	Unit
Maximum reecurrent 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)	10							Amps
Peak forward surge current 8,3ms single half sine-wave	IFSM	170							Amps
Maximum forward voltage drop	VF	1,05							Volt
Maximum revese voltage TA=25°C	IR	10							µA
Maximum revese voltage TA=125°C	IR	500							µA
Operating and storage temperature range	TJ TSTG	-55°C to + 150°C							°C
I²t rating for fusing	I²t	120							A²t
Typical thermal resistance junction to case	R 0 JA	1,4							°C/W

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



**Single-Inline Bridge Rectifier  
10A**

EDCON-Ser. **E15023**

International Serie: **KBJ10xx**

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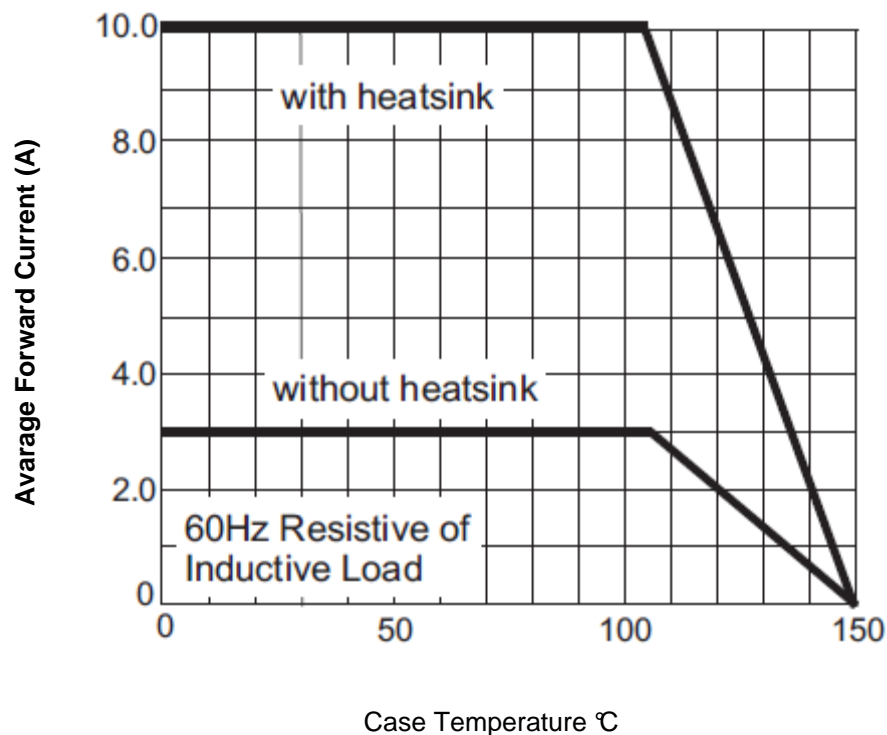
email: [info@edcon-components.com](mailto:info@edcon-components.com)

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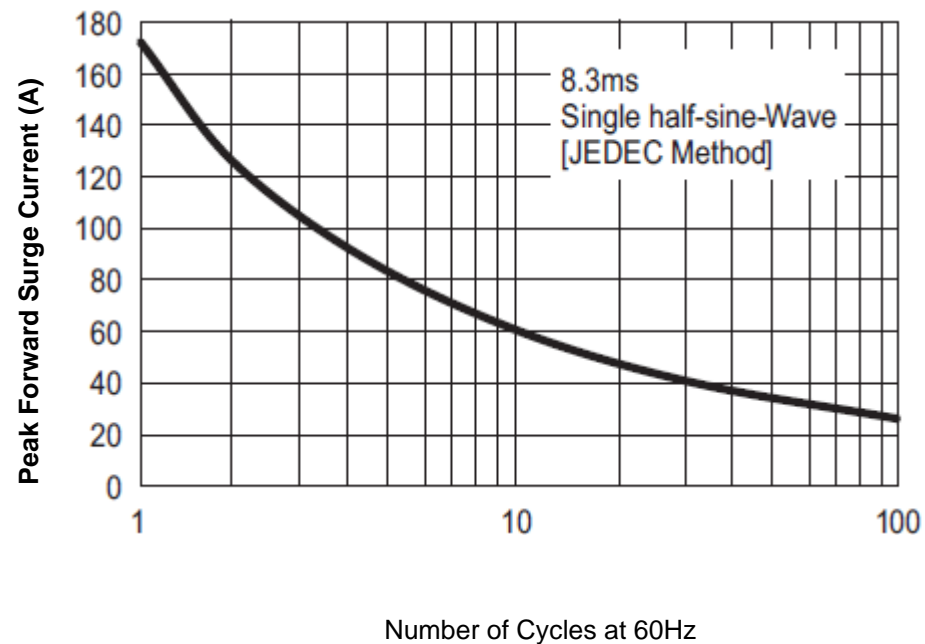


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Derating Curve for Output Rectified Current



Maximum NON Repetitive Forward Surge Current



**Single-Inline Bridge Rectifier  
10A**

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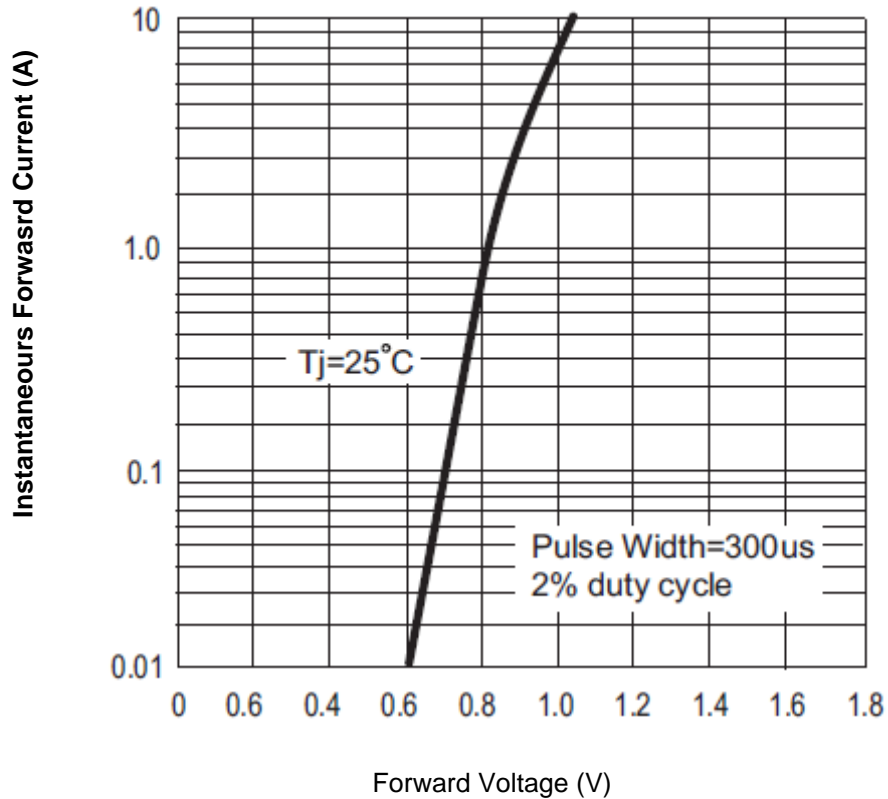
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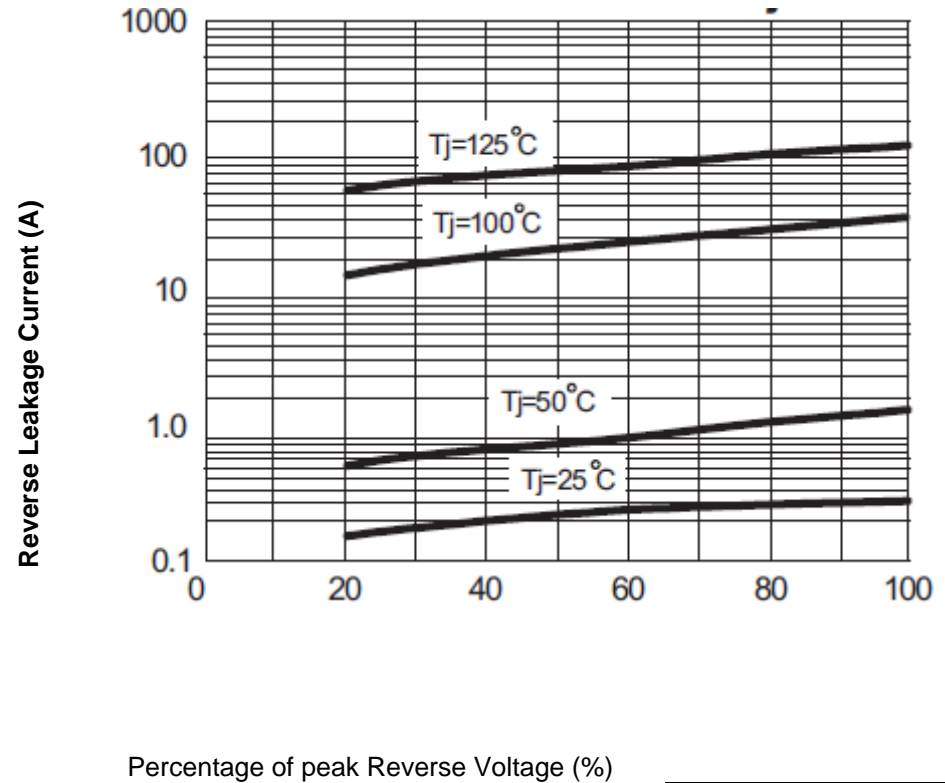


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



Typical Reverse Characteristics



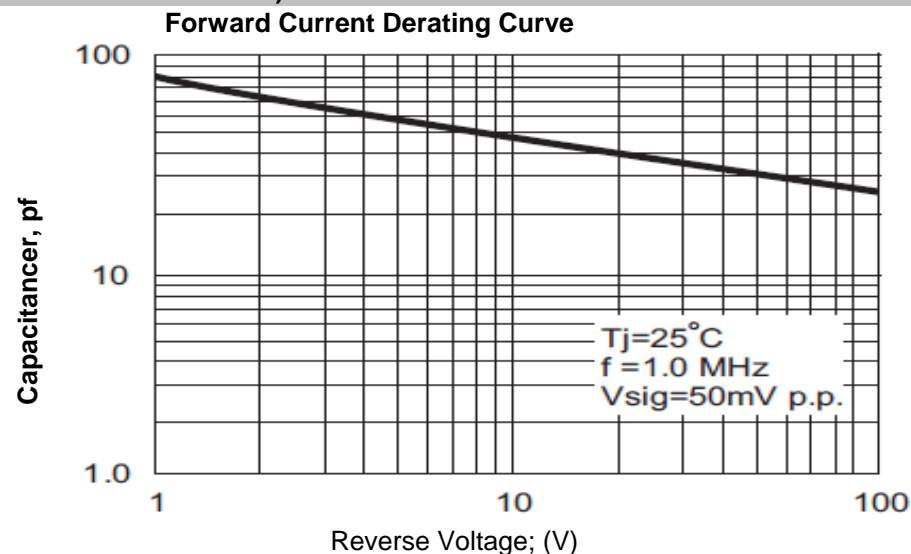
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# EDCON-COMPONENTS



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



## Ordering Informations

EDCON Serie	International Type	NO function	ROHS	Package					
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<b>E15023</b>	<b>KBJ10xx</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> = Lead length 4mm	<b>N</b> = NON ROHS Conform	

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email: info@edcon-components.com



Soldering Profile Curve

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



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