

# EDCON-COMPONENTS



## Specifications

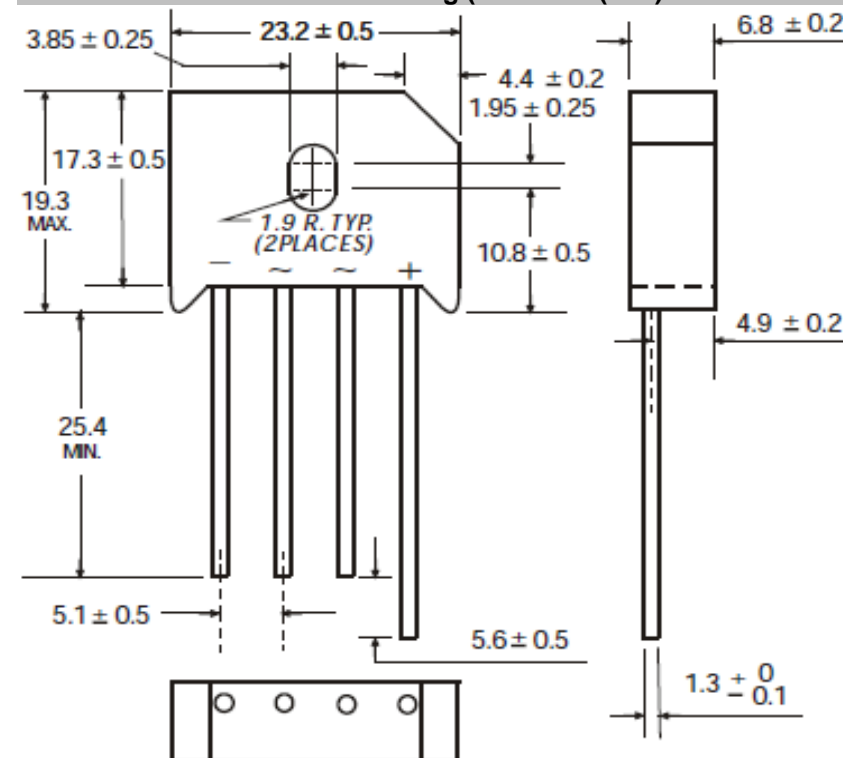
### Features

- This Serie is UL listed under the recognized Component index file number E142814
- Ideal for printed circuits board mounting
- Polarity symbols molded on body
- High surge current capability
- The plastic material used carries Underwriters Laboratory flammability recognition 94V-0
- Built in printed circuit boards stand-off
- Plated leads solderable per MIL-STD-. 202 Method 208
- Molded plastic body
- Weight 8,0gr.

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

	Symbols	KBU 4A	KBU 4B	KBU 4D	KBU 4G	KBU 4J	KBU 4K	KBU 4M	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	200							Amps
Maximum forward voltage drop	VF	1,1							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
I <sup>2</sup> t rating for fusing	I <sup>2</sup> t	300							A <sup>2</sup> t
Typical thermal resistance junction to case	R 0 JA	2,7							°C/W

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



<b>Single Inline Bridge Rectifier 4,0A</b>	
EDCON-Ser.	<b>E15008</b>
International Serie:	<b>KBU4x</b>

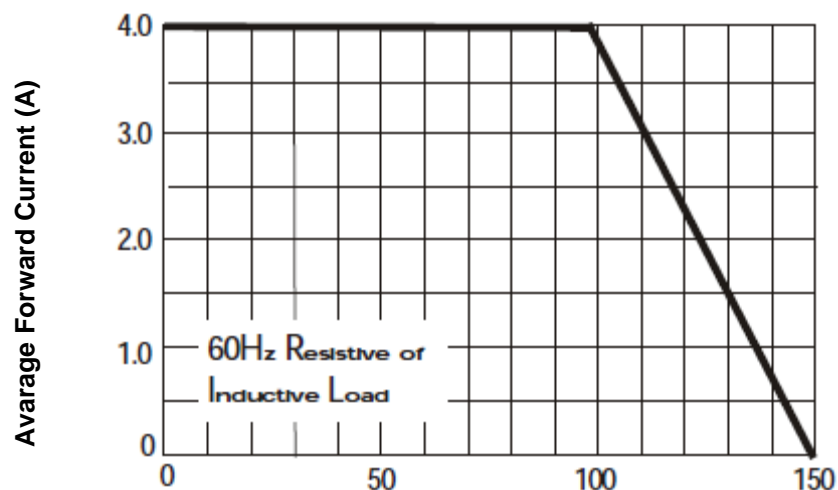
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 5

# EDCON-COMPONENTS



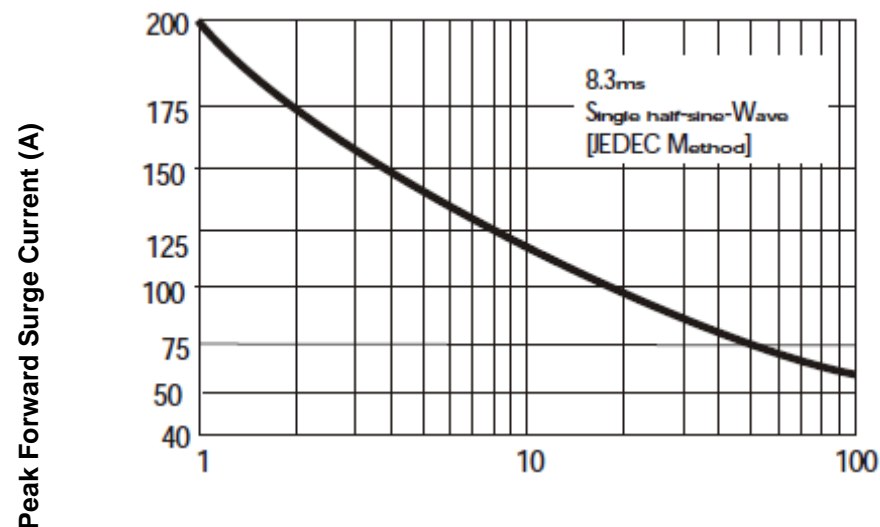
Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Derating Curve for Output Rectified Current



Ambient Temperature °C

Maximum NON Repetitive Forward Surge Current



Number of Cycles at 60Hz

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

EDCON-Ser. **E15008**

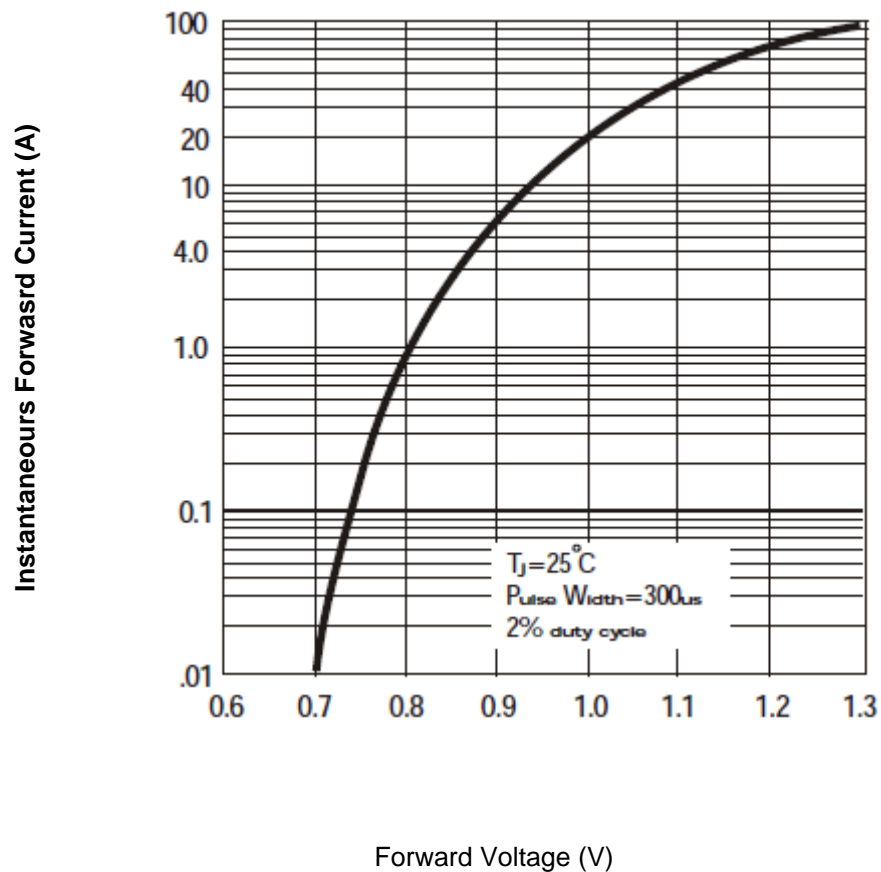
International Serie: **KBU4x**

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

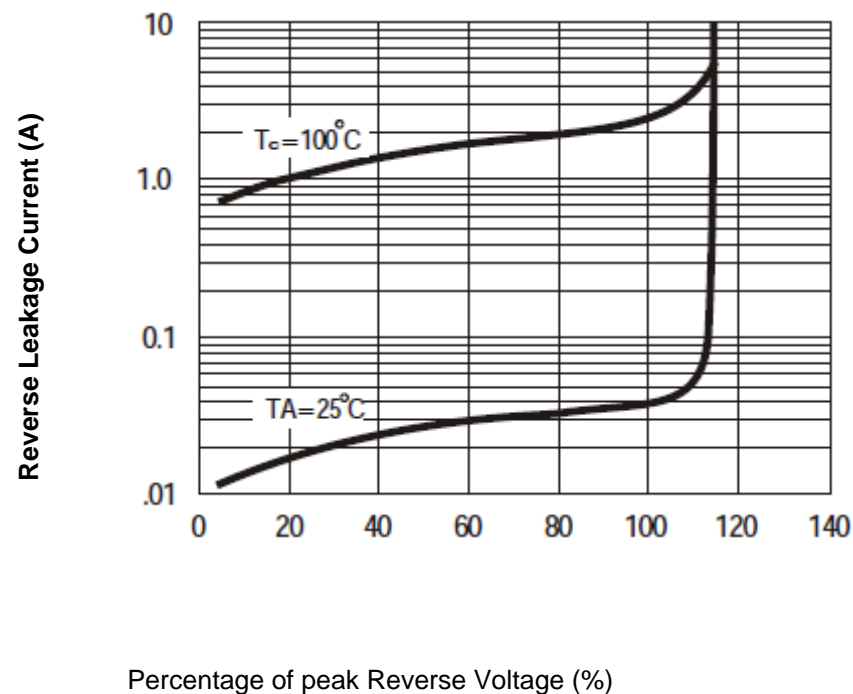


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



Typical Reverse Characteristics



<b>Single In-line Bridge Rectifier 4,0A</b>	
EDCON-Ser.	<b>E15008</b>
International Serie:	<b>KBU4x</b>

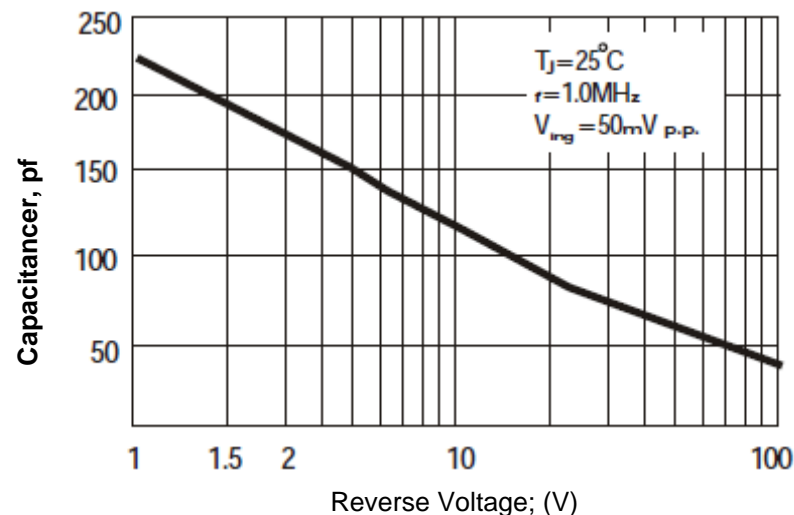
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.		3 from 5

# EDCON-COMPONENTS



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

Forward Current Derating Curve



## Ordering Informations

EDCON Serie	International Type	NO function	ROHS	Package					
<b>E15008</b>	<b>KBU4x</b>	<b>LL</b>	<b>R</b>	<b>BX</b>					

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	

<b>Single Inline Bridge Rectifier 4,0A</b>	
EDCON-Ser.	<b>E15008</b>
International Serie:	<b>KBU4x</b>

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.		4 from 5



Soldering Profile Curve

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



<b>Single In-line Bridge Rectifier 4,0A</b>	
EDCON-Ser.	<b>E15008</b>
International Serie:	<b>KBU4x</b>

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