

EDCON-COMPONENTS



Specifications

Features

- Plastic Package has Underwriters Laboratory Flamability Classification 94V-0
- This Serie is UL listed under Recognized Component Index file number E252843
- High Case dielectric strength of 1500 VRMS
- Sure Overload rating of 200Amperes peak Typical IR less tan 0,1µA

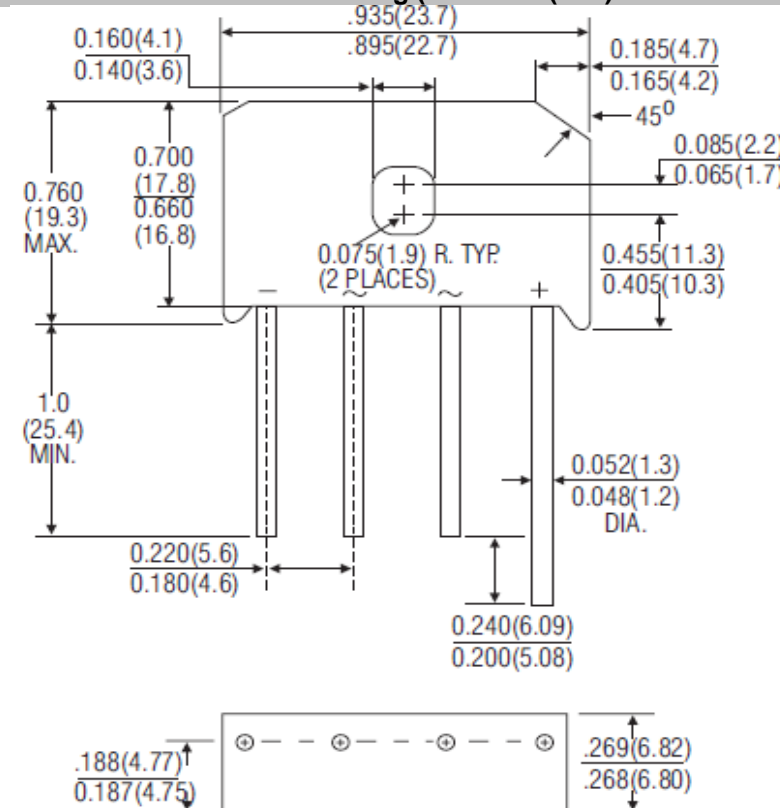
Mechanical Data

- Case: Molded plastic body
- Terminals: plated leads solderable per MIL-STD-750, Method 2026
- Polarity: Polarity symbols marked on 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 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=100°C	I(AV)	4,0							Amps
Peak forward surge current 8,3ms single half sine-wave	IFSM	125							Amps
Maximum forward voltage	VF	1							Volt
Maximum revese voltage TA=25°C	IR	5,0							µA
Maximum revese voltage TA=125°C	IR	1							mA
Operating and storage temperature range	TJ TSTG	-55°C to + 150°C							°C
Type junction capacitance VR=3,0V f=1,0Mhz	CJ	80							pF
I ² t rating for fusing	I ² t	93							A²S
Typical thermal resistance junction to case	R 0 JA	19							°C/W

Technical Drawing (Unit: inch(mm))



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

EDCON-Ser.	E14011
International Serie:	KBU4x / KBU4xxG

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

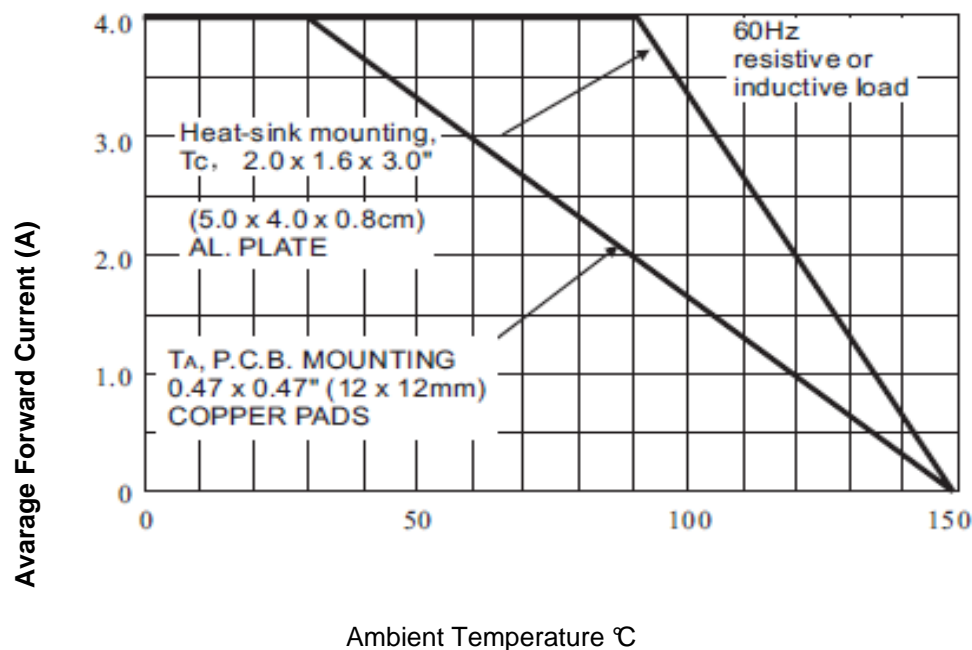
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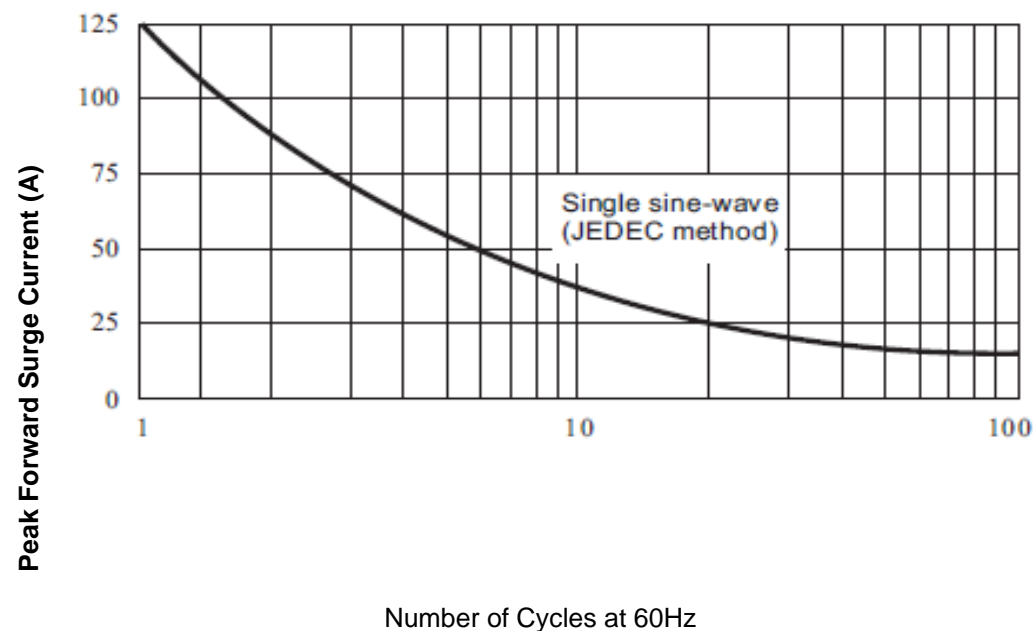


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Current Characteristics Derating Curve



Maximum NON Repetitive Forward Surge Current



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

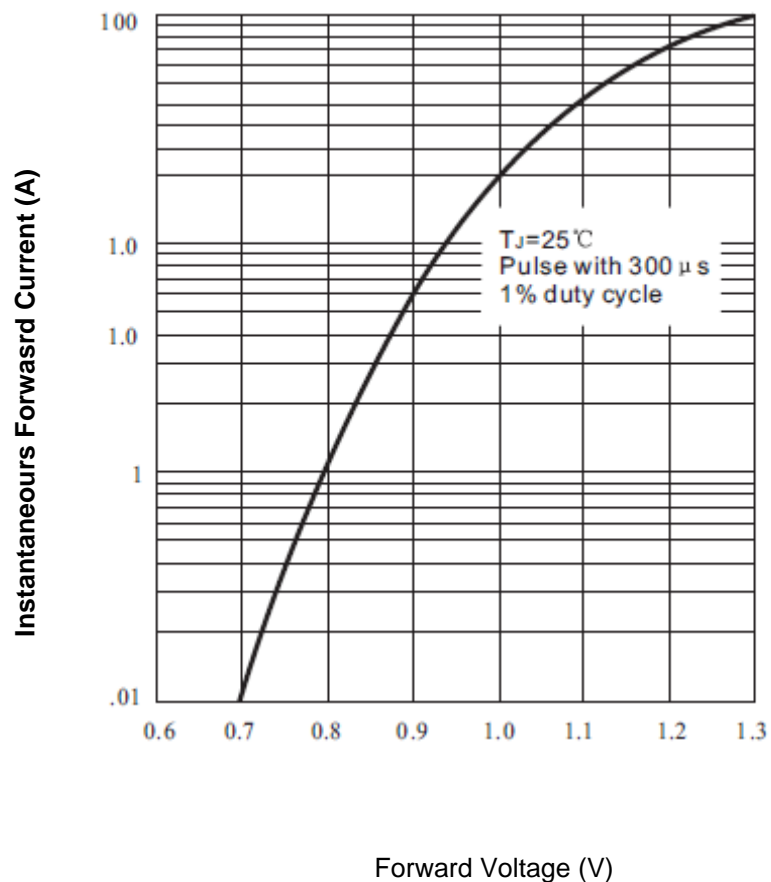
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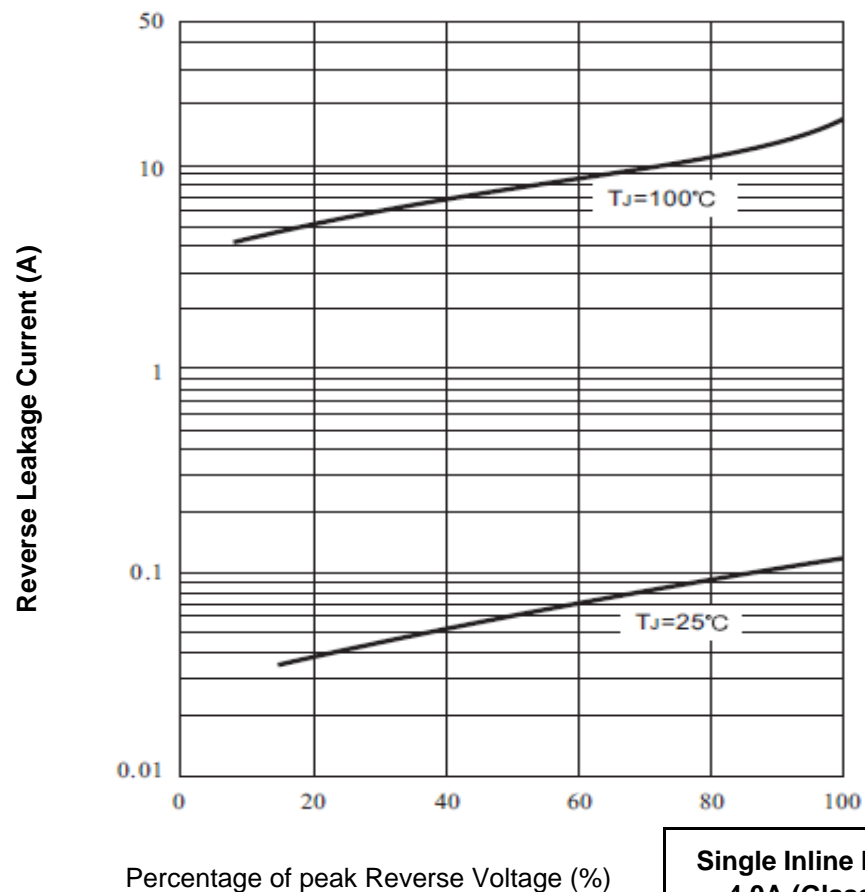


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



Typical Reverse Characteristics



Single Inline Bridge Rectifier 4,0A (Glass Passivated)	
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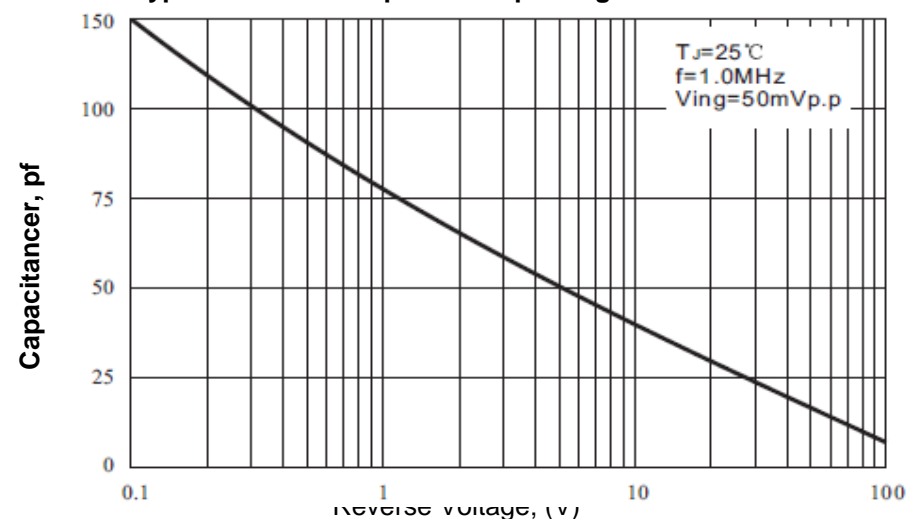
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Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Junction Capacitance per Leg



Ordering Informations

EDCON Serie	International Type	Lead Information	ROHS	Package						
E14011	KBU4x	LL	R	BX						

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

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Soldering Profile Curve

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



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