

EDCON-COMPONENTS



Specifications

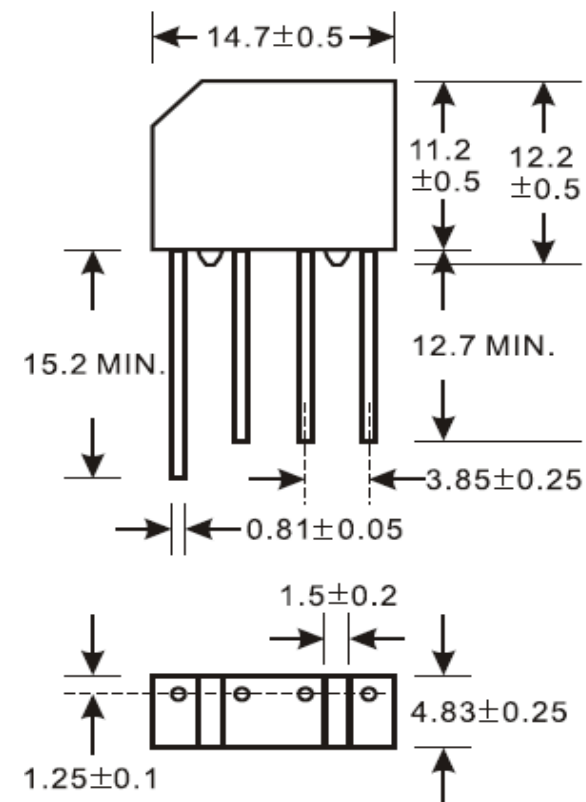
Features

- This Serie is UL listed under the recognized Component index file number E142814
- Ideal for printed circuits board mounting
- The palstic material used carries Underwriters Laboratory flammability recognition 94V-0.
- Built.in printed circuits boards stands offs.
- High surge current capability
- Reliable low cost construction utilizing molded plastic case technique
- Plated leads solderable per MIL-STD-. 202 Method 208
- Weight 2,2gr.

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

	Sym bols	2KBP 005M	2KBP 01M	2KBP 02M	2KBP04 xM	2KBP 06M	2KBP 08M	2KBP 10M	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)	2,0							Amps
Peak forward surge current 8,3ms single half sine-wave	IFSM	60							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
Type junction capacitance VR=4,0V f=1,0Mhz	CJ	25							pF
I ² t rating for fusing	I ² t	15							A ² t
Typical thermal resistance junction to case	R 0 JA	10							°C/W

Technical Drawing (Unit: inch(mm))



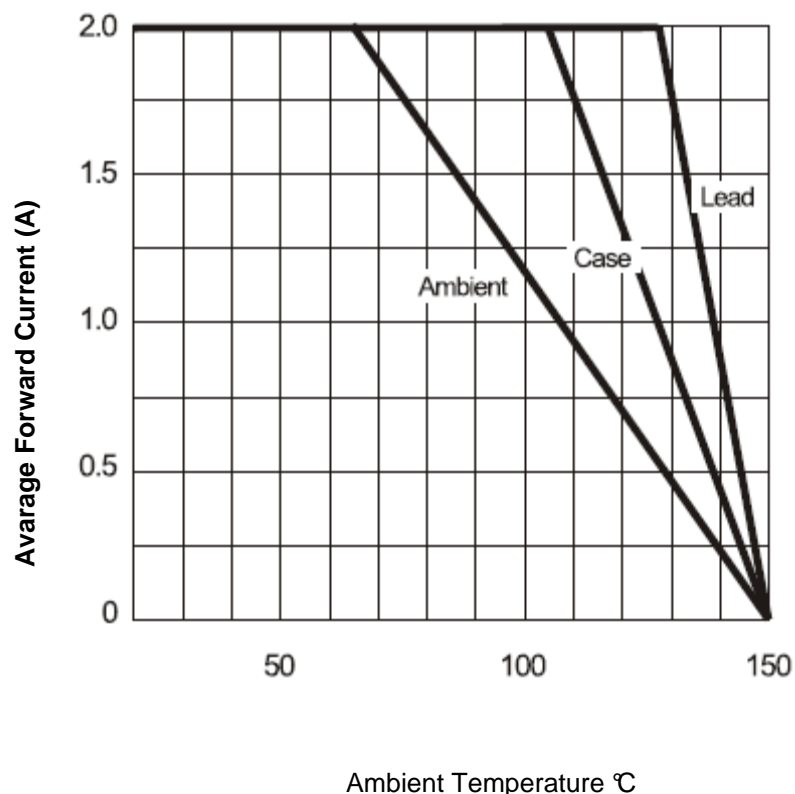
Single Inline Bridge Rectifier 2,0A	
EDCON-Ser.	E15004
International Serie:	2KBPxxxM

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

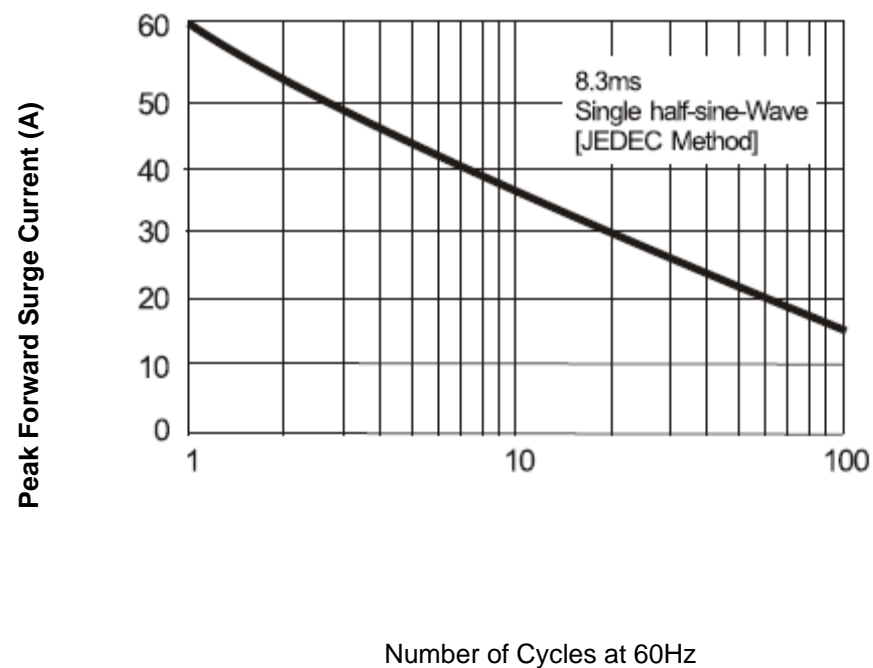


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Derating Curve for Output Rectified Current



Maximum NON Repetitive Forward Surge Current



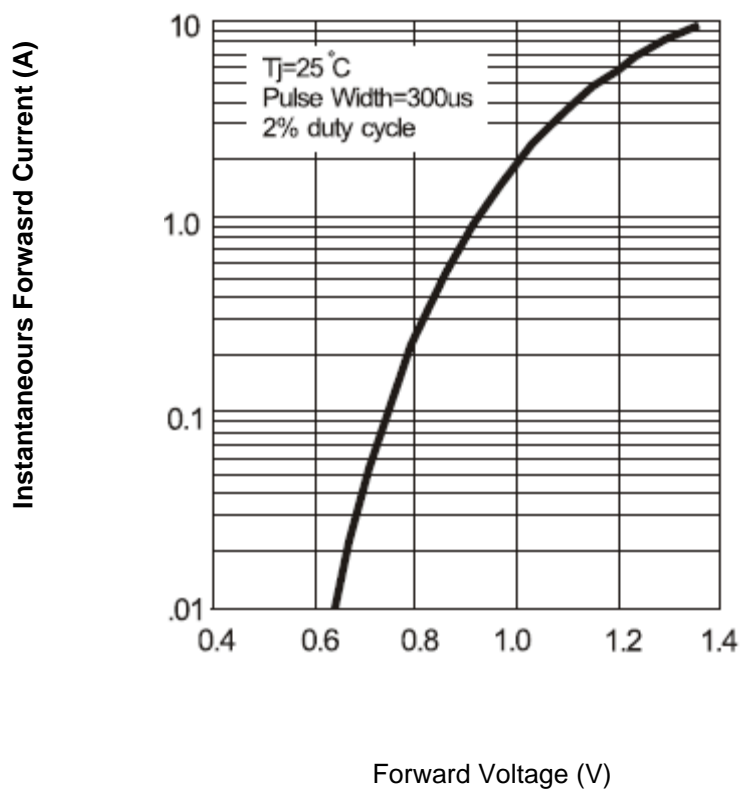
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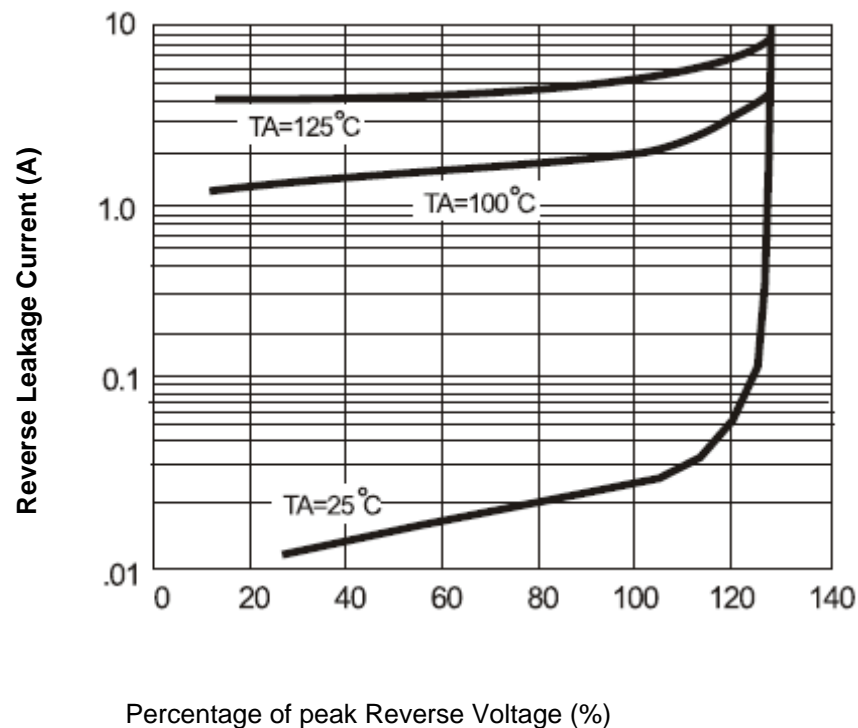


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



Typical Reverse Characteristics



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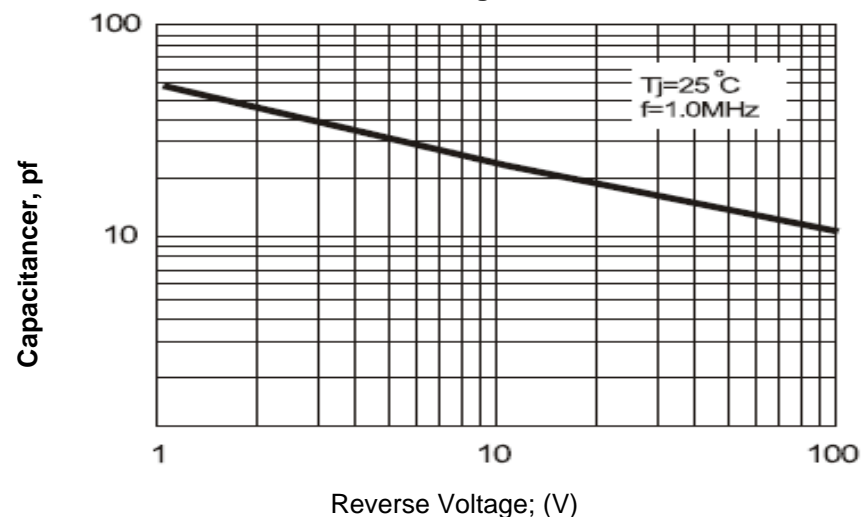
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Forward Current Derating Curve



Ordering Informations

EDCON Serie	International Type	NO function	ROHS	Package					
E15004	2KBPxxM	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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www.edcon-components.com

email: info@edcon-components.com



Soldering Profile Curve

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



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