

EDCON-COMPONENTS



Specifications

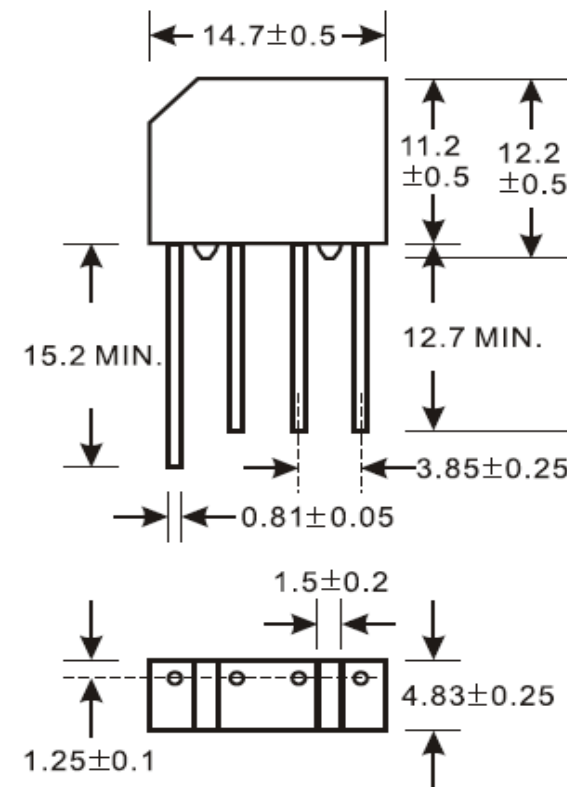
Features

- This Serie is UL listed under the recognized Component index file number E142814
- Ideal for printed circuits board mounting
- The plastic material used carries Underwriters Laboratory flammability recognition 94V-0.
- Built in printed circuits boards stands offs.
- High case dielectric strength.
- 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

	Symbols	KBP 005	KBP 01	KBP 02	KBP 04	KBP 06	KBP 08	KBP 10	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)	1,5							Amps
Peak forward surge current 8,3ms single half sine-wave	IFSM	50							Amps
Maximum forward voltage drop	VF	1,1							Volt
Maximum revese voltage TA=25°C	IR	10							µA
Maximum revese voltage TA=100°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
1,5A**

EDCON-Ser. **E15035**

International Serie: **KBP0x**

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

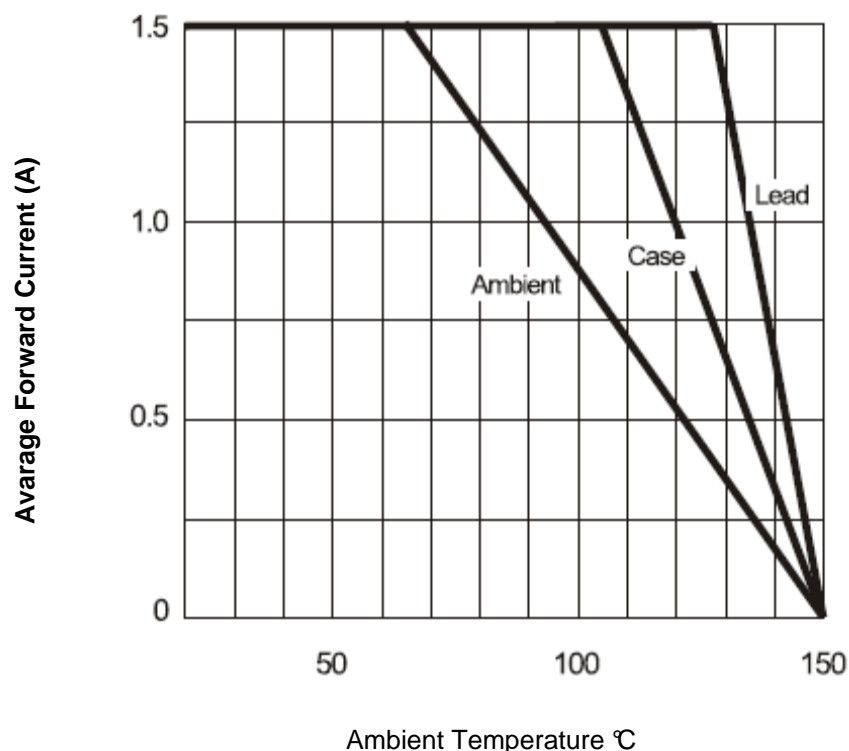
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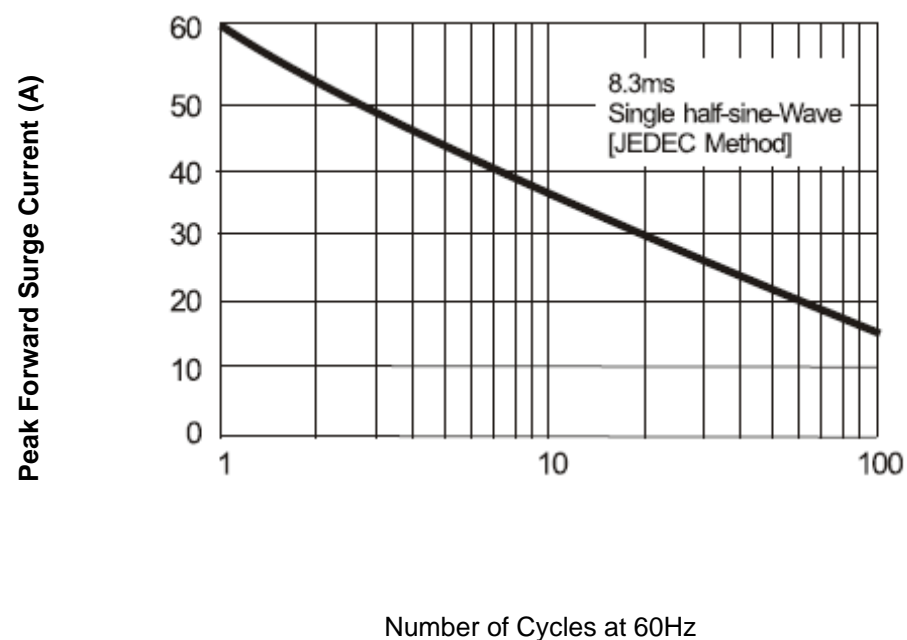


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Derating Curve for Output Rectified Current



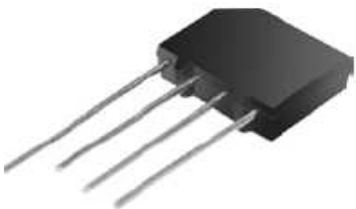
Maximum NON Repetitive Forward Surge Current



Single Inline Bridge Rectifier 1,5A	
EDCON-Ser.	E15035
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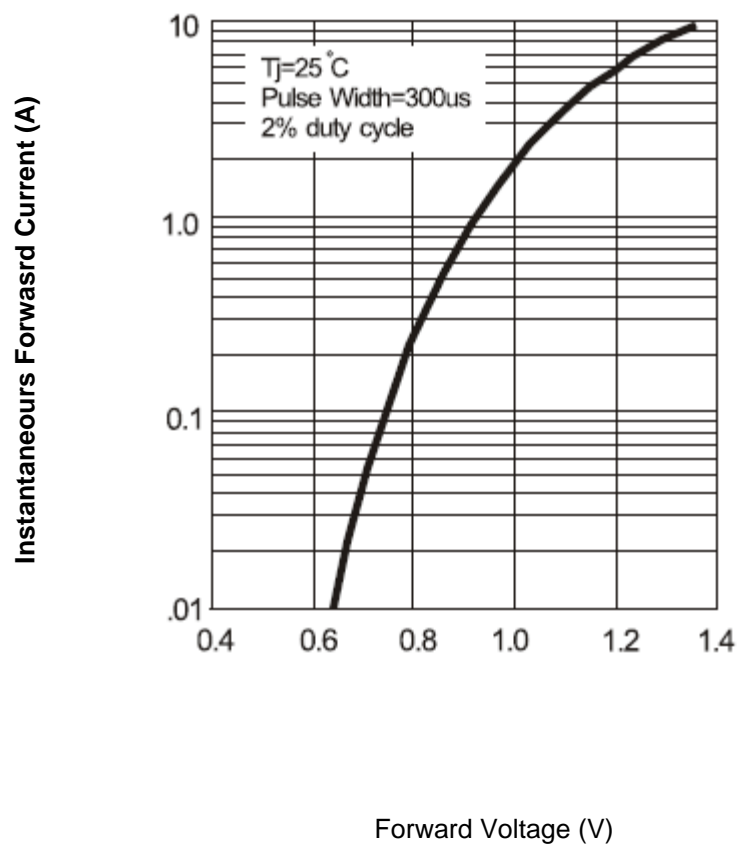
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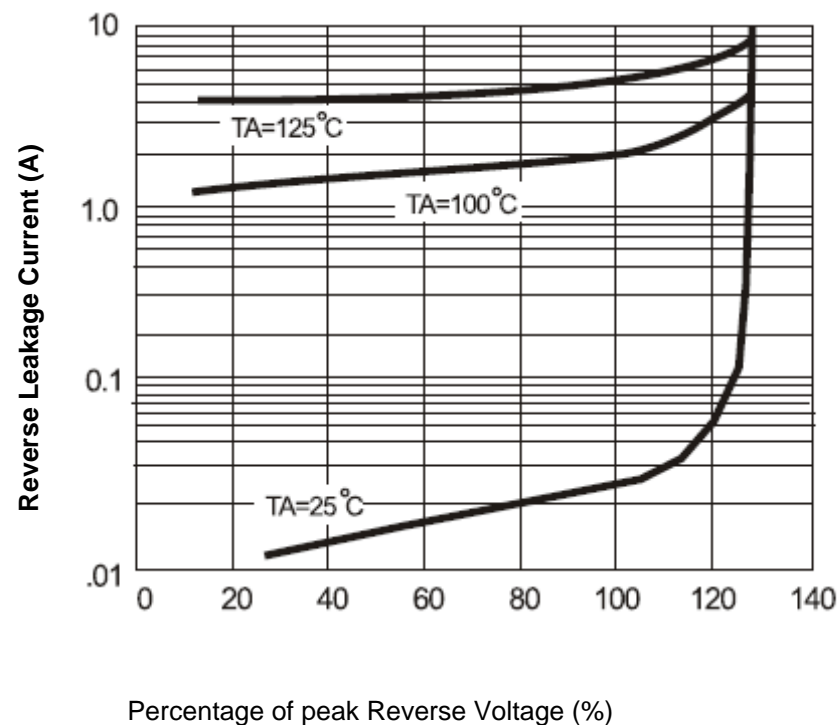


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



Typical Reverse Characteristics



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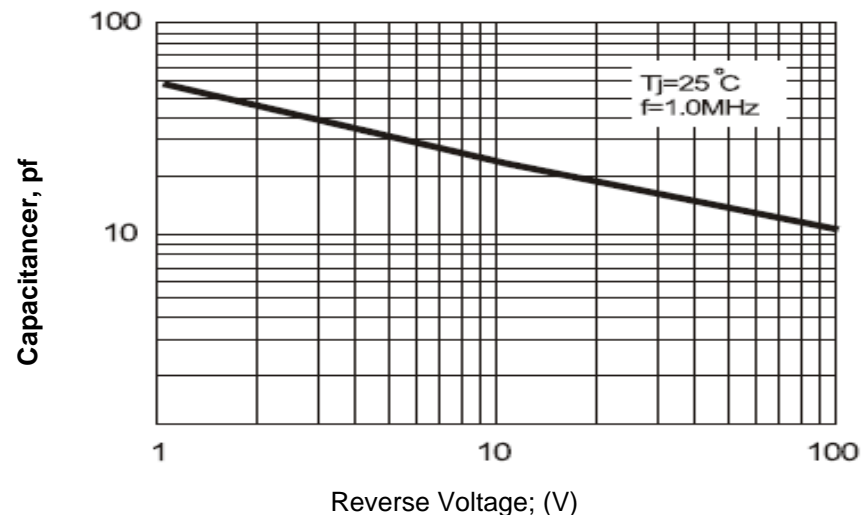
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Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Forward Current Derating Curve



Ordering Informations

EDCON Serie	International Type	NO function	ROHS	Package					
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E15035	KBP0xx	LL	R	BX					
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Look Voltage Code Table	LL = Long Lead	R = ROHS Conform	BX = Box
	L4 = Lead length 4mm	N = NON ROHS Conform	

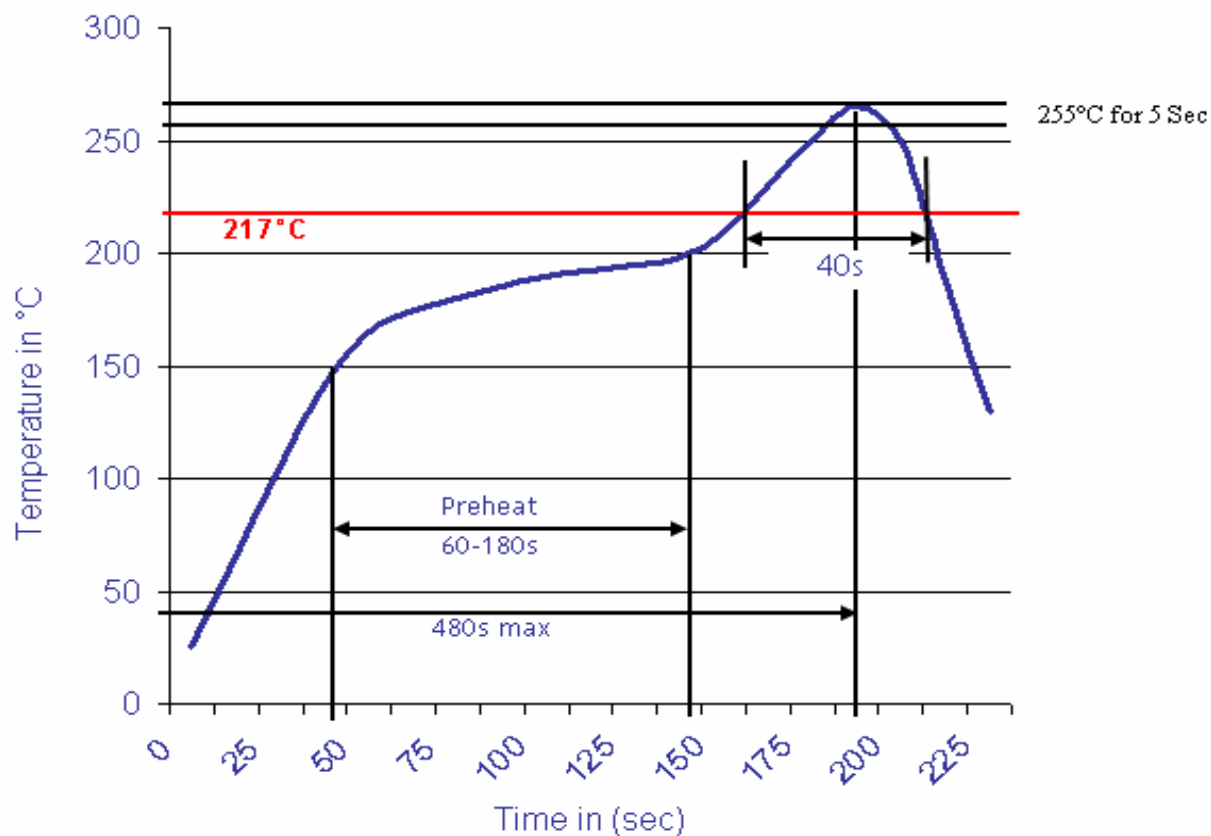
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Soldering Profile Curve

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



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