

EDCON-COMPONENTS



Specifications

Features

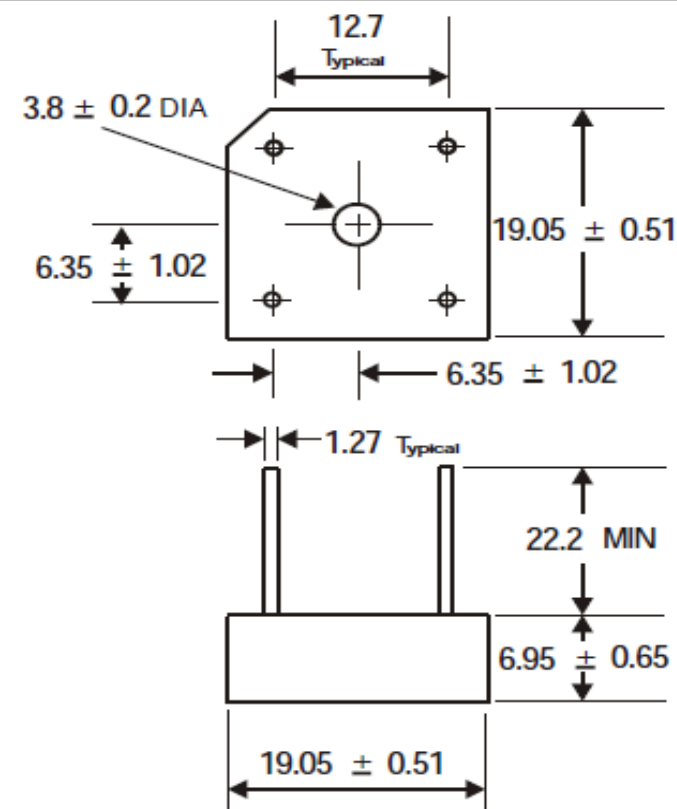
- The plastic material used carries Underwriters Laboratory flammability recognition 94V-0
- This Serie is UL listed under the recognized Component Index file number E142814
- High temperature metallurgically bonded internat rectifiers
- Typical Ir less than 1μA
- Voil free plastic package
- Plated leads solderable per MIL-STD-. 202 Method 208
- Mounting trough hole for #6 screw

Weight 6,9gr.

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

	Sym bols	KBPC80 05	KBPC80 1	KBPC80 2	KBPC80 4	KBPC80 6	KBPC80 8	KBPC81 0	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)	8,0							Amps
Peak forward surge current 8,3ms single half sine-wave	IFSM	125							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	1000							μA
Operating and storage temperature range	TJ TSTG	-55°C to + 150°C							°C
I²t rating for fusing	I²t	10							A²t
Typical thermal resistance junction to case	R 0 JA	9,4							°C/W

Technical Drawing (Unit: inch(mm))



Quad Bridge Rectifier 8,0A

EDCON-Ser. **E19003**

International Serie: **KBPC 8xx**

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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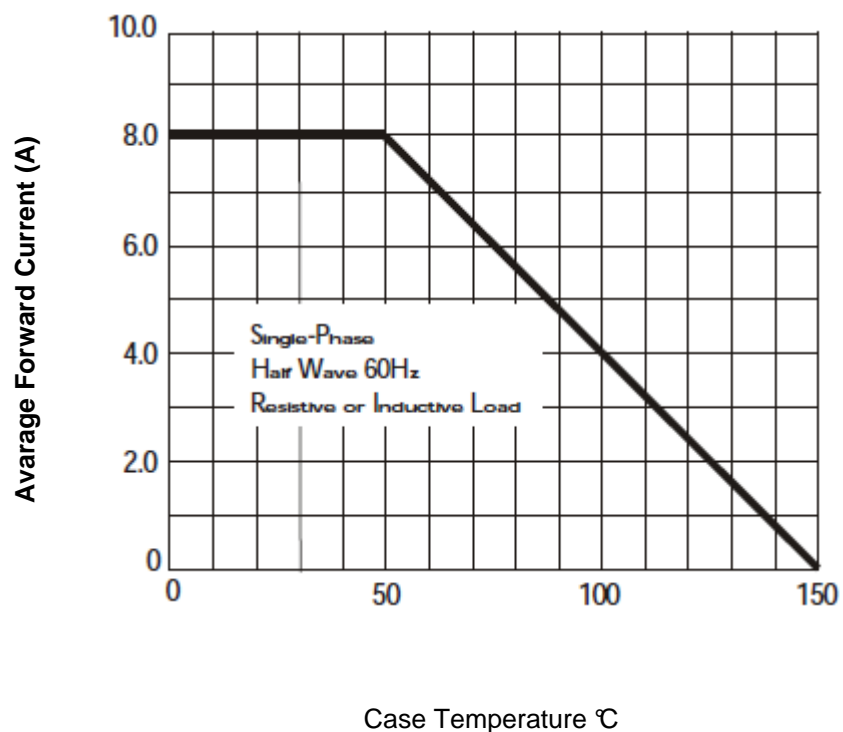
email: info@edcon-components.com

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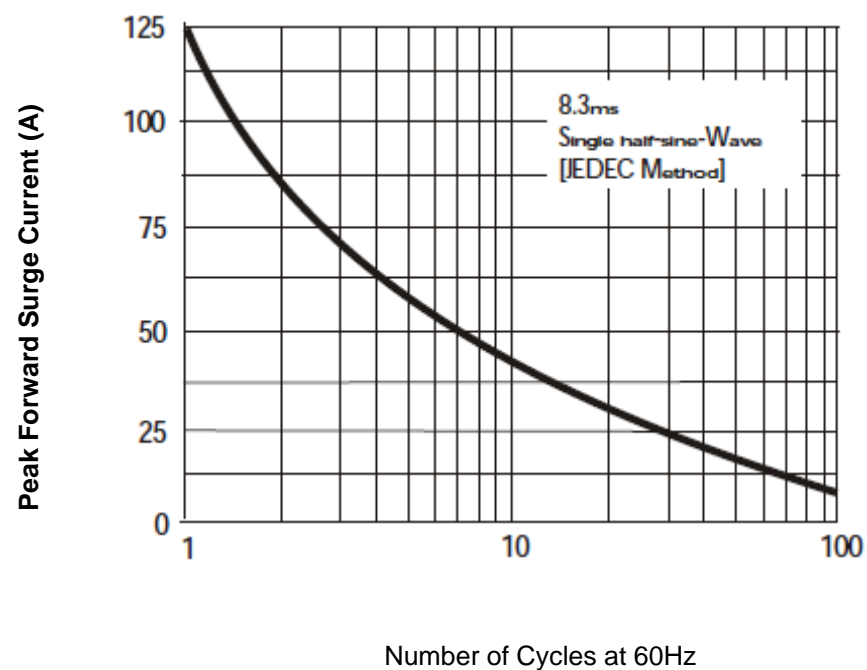


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Derating Curve for Output Rectified Current



Maximum NON Repetitive Forward Surge Current



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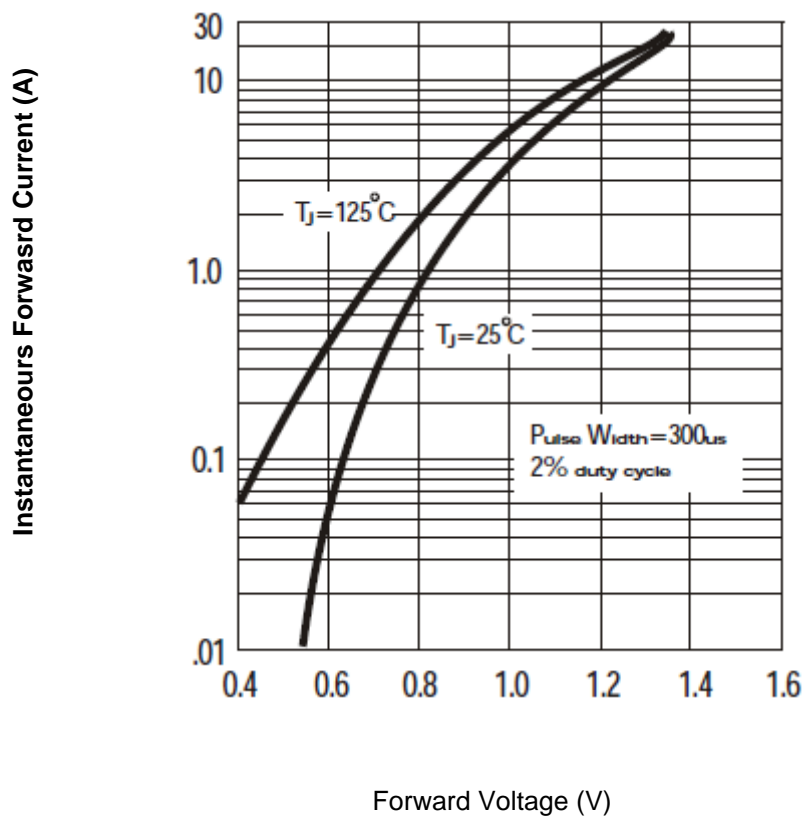
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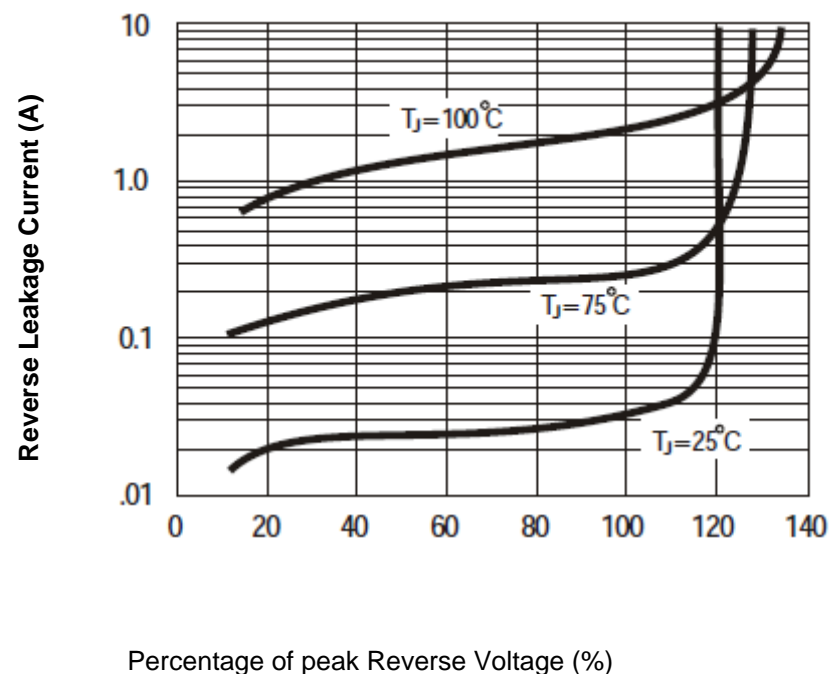


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

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					
E19003	KBPC8xx	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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