

EDCON-COMPONENTS



Specifications

Features

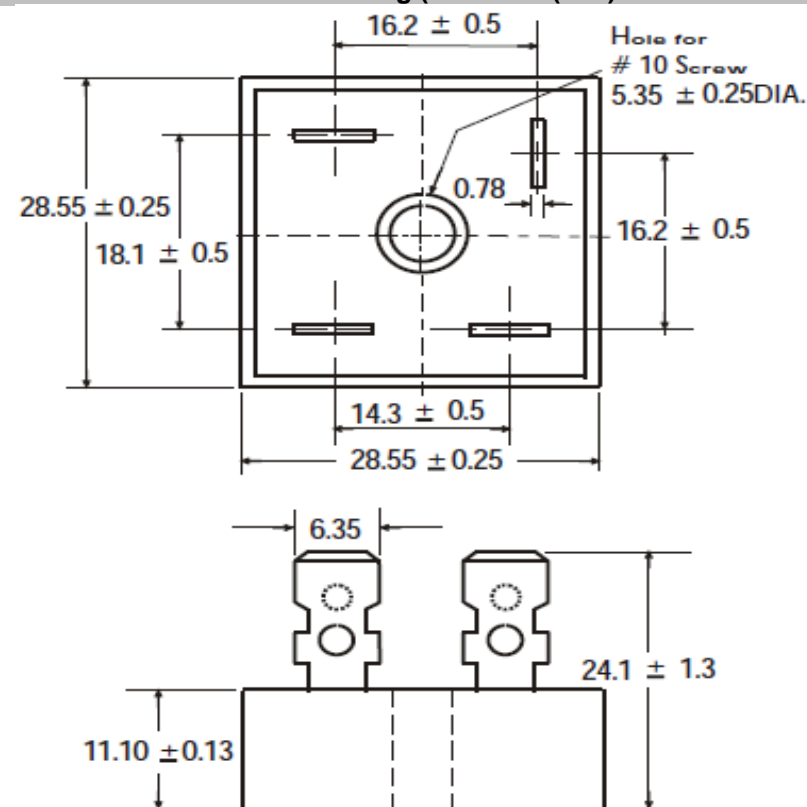
- This series is UL listed under the recognized Component index file number E142814
- The plastic material used carries Underwriters Laboratory flammability recognition 94V-0
- High temperature metallurgically bonded internal rectifiers
- Surge overload ratings to 300 amperes
- Universal 4-way terminals snap-on, wrap-around, solder or P.C. Board mounting
- Case: Metal Case
- Terminals 6,53mm Faston

Weight 20gr.

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

	Sym bols	KBPC 10005	KBPC 1001	KBPC 1002	KBPC 1004	KBPC 1006	KBPC 1008	KBPC 1010	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)	10							Amps
Peak forward surge current 8,3ms single half sine-wave	IFSM	300							Amps
Maximum forward voltage drop	VF	1,05							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
I²t rating for fusing	I²t	374							A²t
Typical thermal resistance junction to case	R 0 JA	2,1							°C/W

Technical Drawing (Unit: inch(mm))



QUAD Bridge Rectifier 10A

EDCON-Ser. **E17001**

International Serie: **KBPC10xx**

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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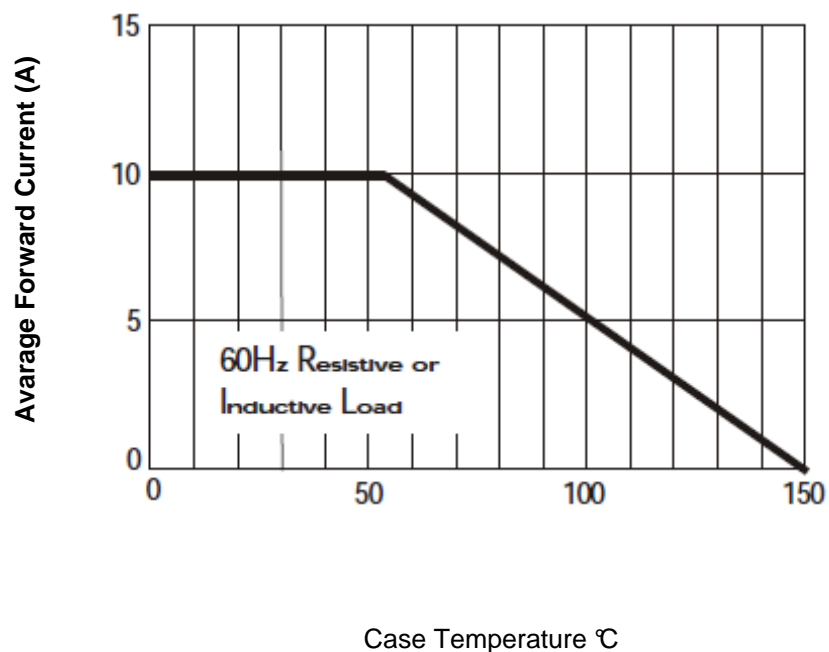
email: info@edcon-components.com

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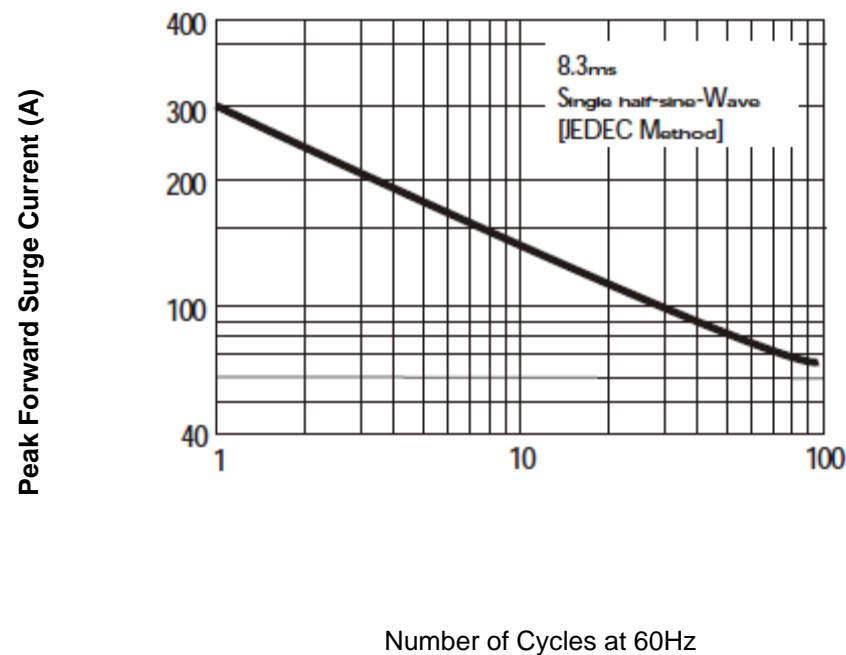


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Derating Curve for Output Rectified Current



Maximum NON Repetitive Forward Surge Current



QUAD Bridge Rectifier 10A

EDCON-Ser. **E17001**

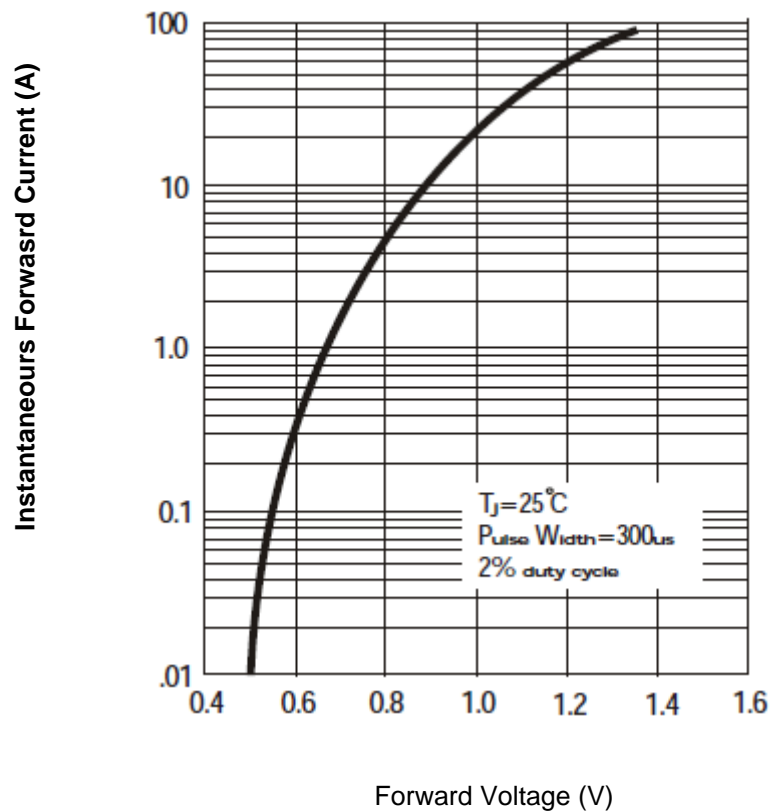
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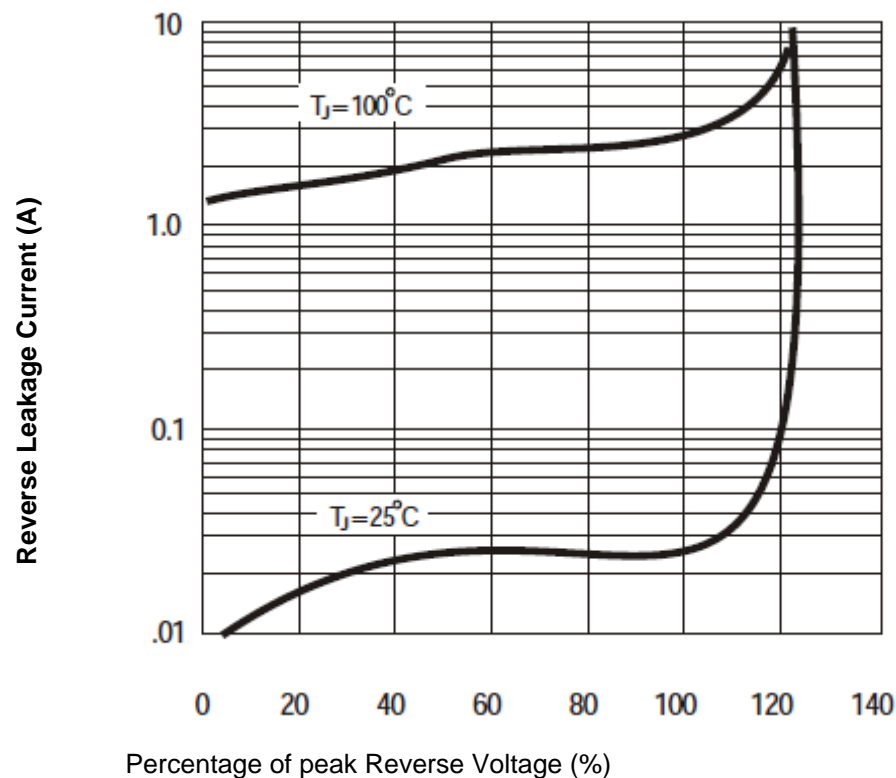


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



Typical Reverse Characteristics



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EDCON-Ser.	E17001
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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					
E17001	KBPC10xx	XX	R	BX					

Look Voltage Code Table		R= ROHS Conform	BX= Box
		N= NON ROHS Conform	

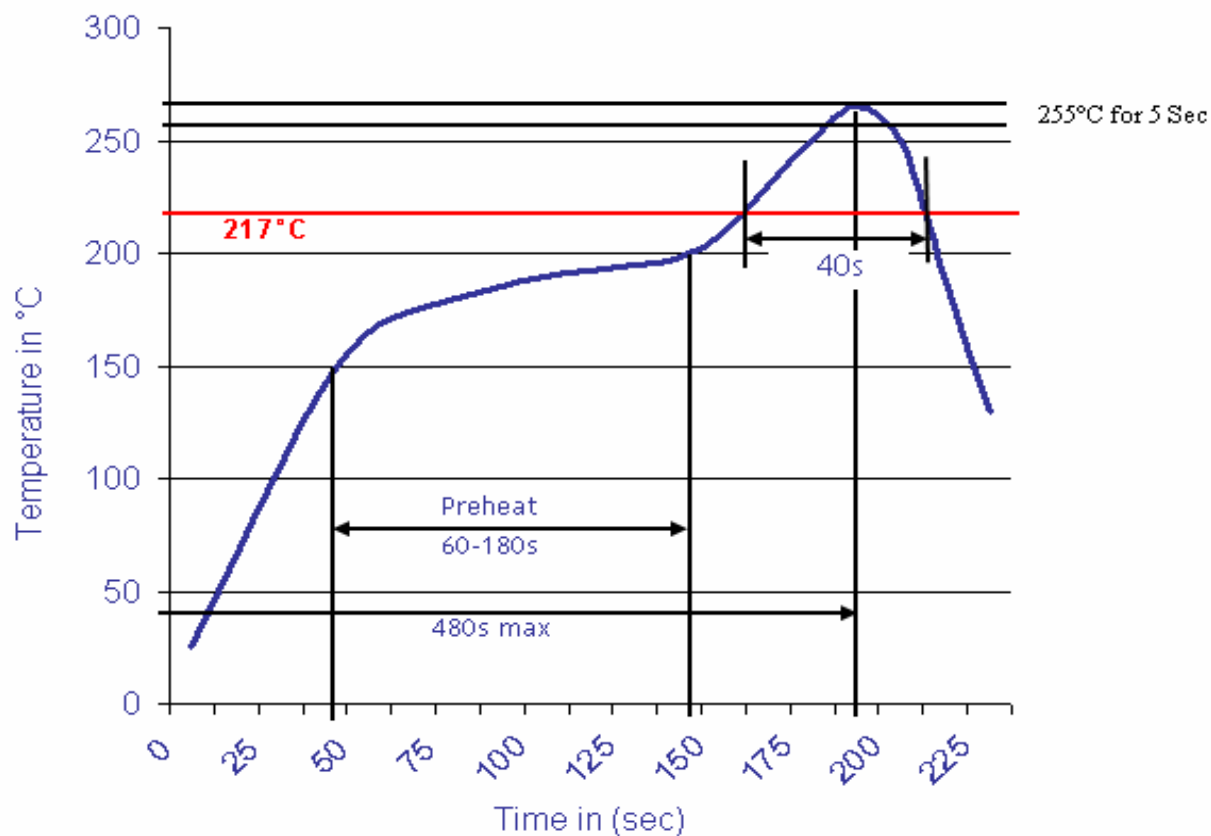
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Soldering Profile Curve

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



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