

EDCON-COMPONENTS



Specifications

Features

- Metal case Maximum Heat Dissipation
- This Serie is UL listed under Recognized Component Index file number E252843
- Surge overload rating - 400 Amperes
- Low forward voltage drop

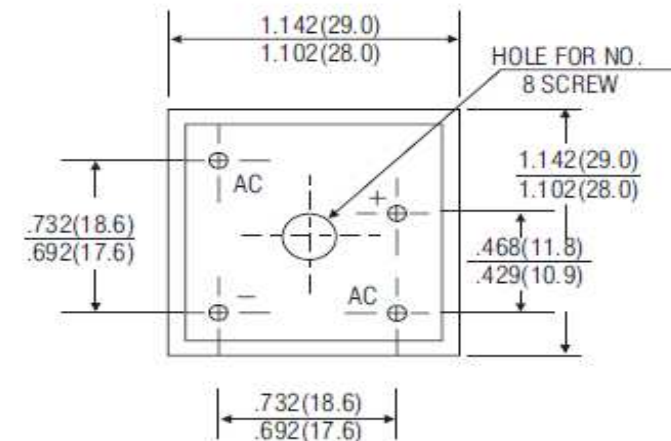
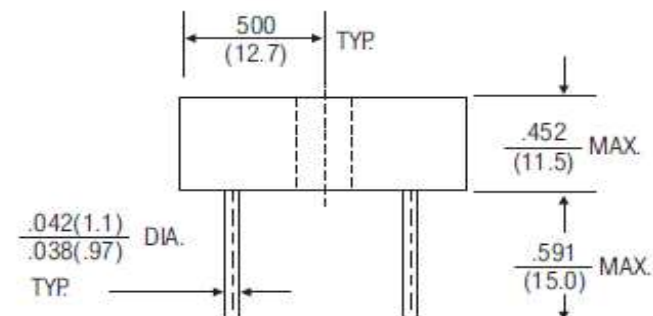
Mechanical Data

- Case: Metal electrically isolated ; Epoxy: UL94V-0 rate flame retardent
- Terminals: plated leads solderable per MIL-STD-750, Method 2026
- Polarity: Polarity symbols marked on body
- Weight: 30gr.

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

	Sym bols	KBPC 50005	KBPC 5001	KBPC 5002	KBPC 5004	KBPC 5006	KBPC 5008	KBPC 5010	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)	50,0							Amps
Peak forward surge current 8,3ms single half sine-wave	IFSM	500							Amps
Maximum forward voltage	VF	1,10							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 + 125°C							°C
Type junction capacitance VR=4,0V f=1,0Mhz	CJ	300							pF
Typical thermal resistance junction to case	R 0 JA	2,5							°C/W

Technical Drawing (Unit: inch(mm))



QUAD Bridge Rectifier 50A

EDCON-Ser. **E19010**

International Serie: **KBPC50xx**

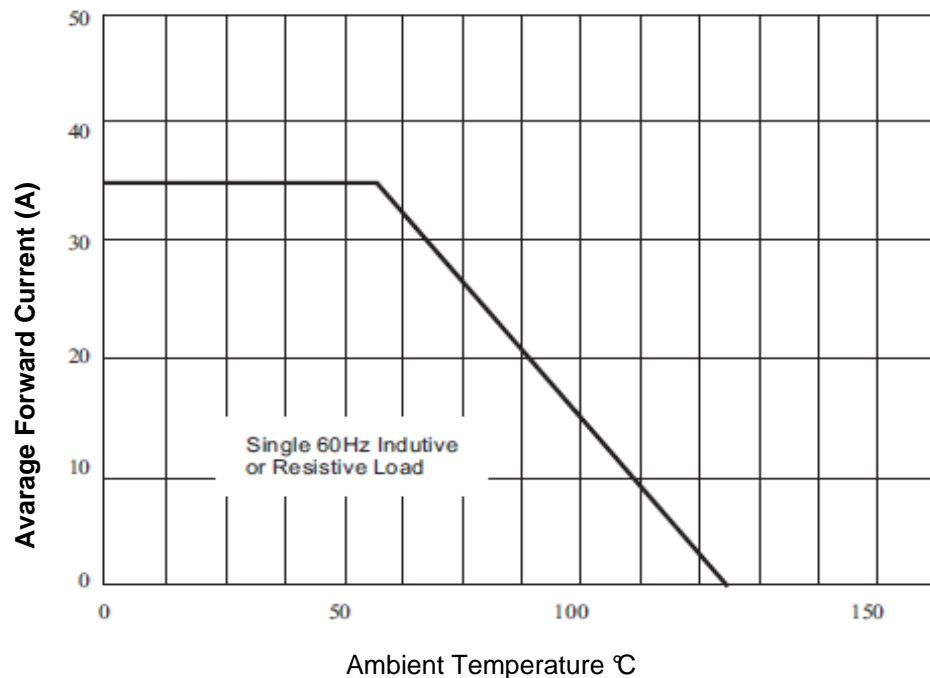
DRW: Jason	CHKD: Wilson	MATL: Wilson	TOLERANCE: Mason	DATE: 10.05.2010
APPD: Schumi	FINISH: Jamy		Sheet No.:	1 from 5

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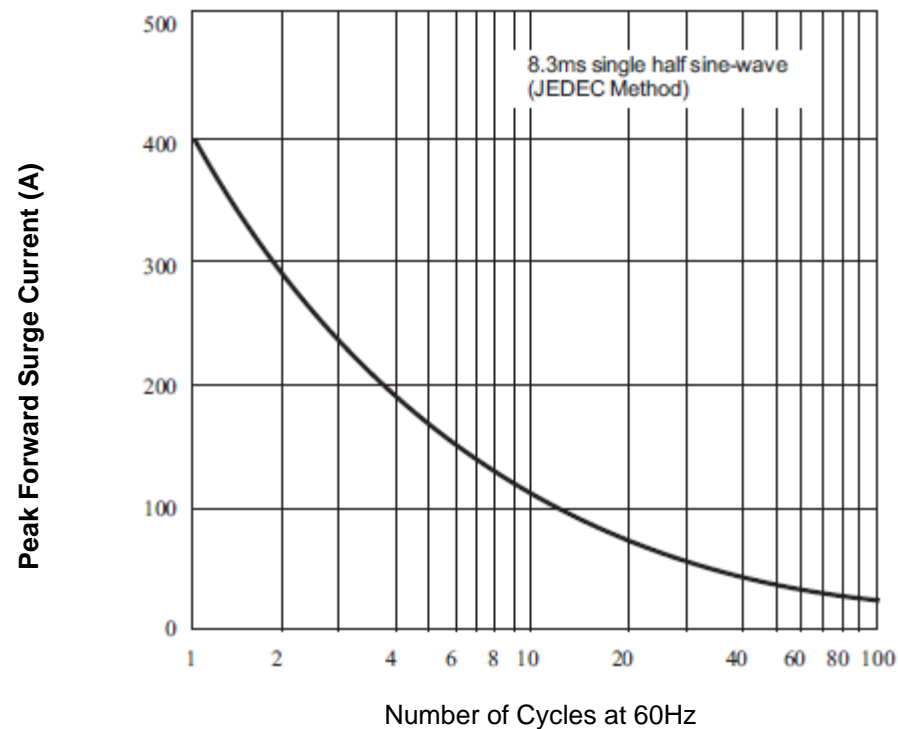


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Derating Curve for Output Rectified Current



Maximum NON Repetitive Forward Surge Current



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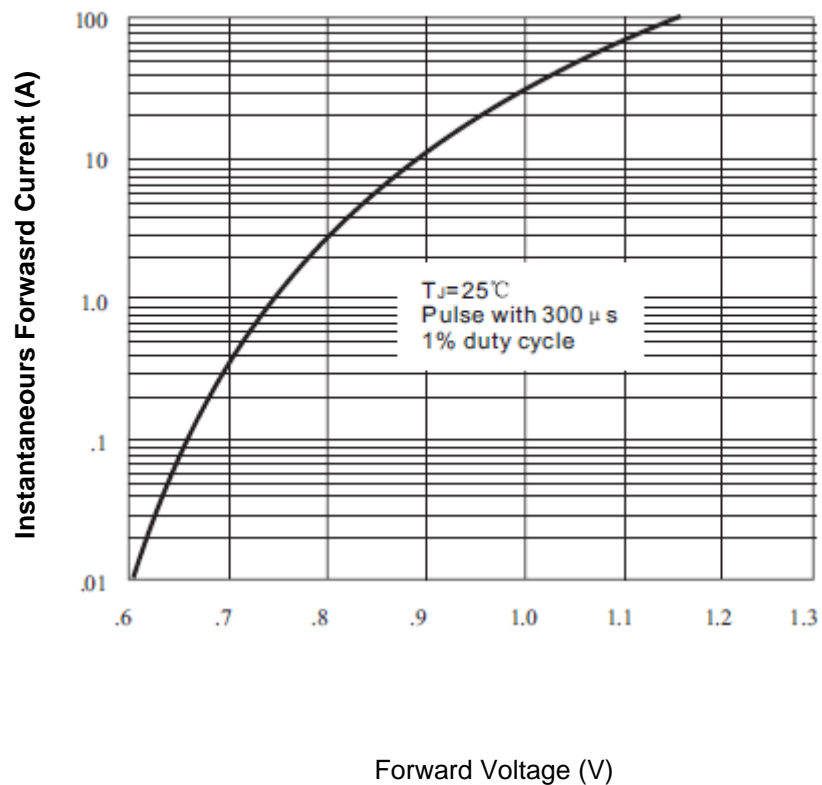
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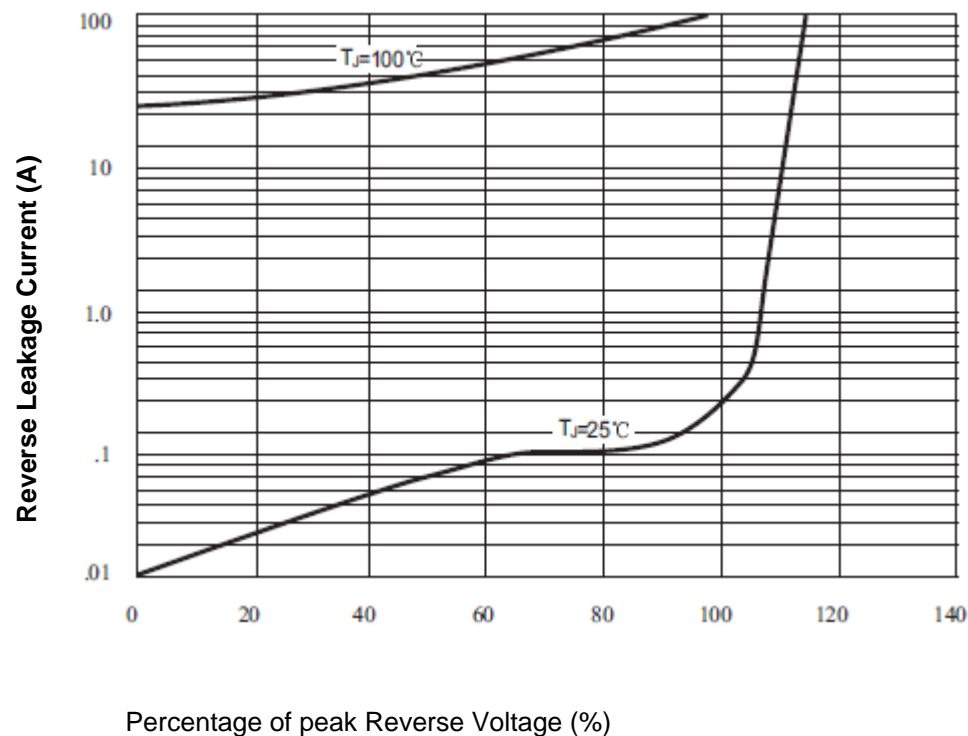


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



Typical Reverse Characteristics



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

Ordering Informations

EDCON Serie	International Type	Lead function	ROHS	Package					
E19010	KBPC50xx	LL	R	BX					

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

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Soldering Profile Curve

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



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