

EDCON-COMPONENTS



Specifications

Features

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- This Serie is UL listed under Recognized Component Index file number E252843
- Surge Overload rating -400Amperes
- Low forward voltage drop

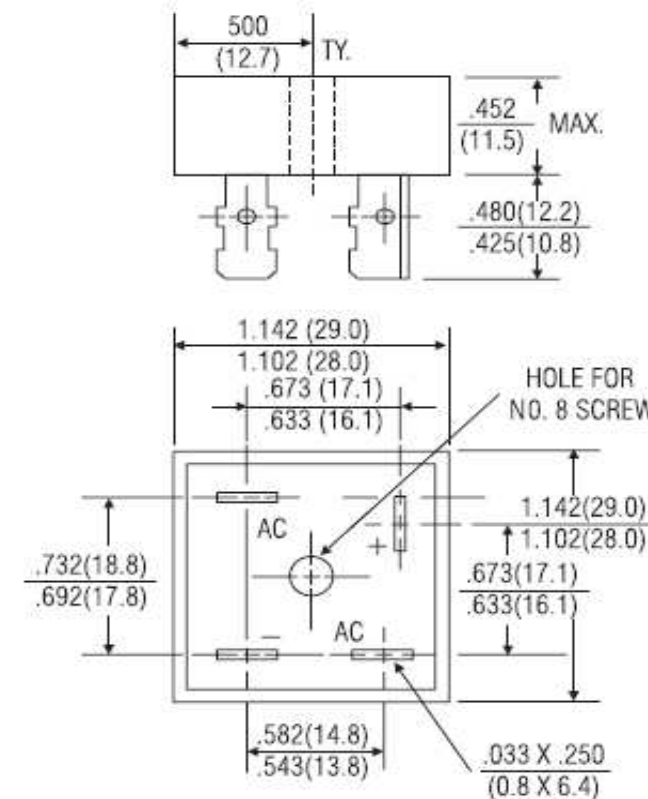
Mechanical Data

- Case: Molded plastic body
- Terminals: plated leads solderable per MIL-STD-750, Method 2026
- Polarity: Polarity symbols marked on body
- Weight: 4gr.

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

	Sym bols	KBPC50 005	KBPC50 01	KBPC50 02	KBPC50 04	KBPC50 06	KBPC50 08	KBPC50 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)	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
I ² t rating for fusing	I ² t	664							A²S
Typical thermal resistance junction to case	R 0 JA	2,5							°C/W

Technical Drawing (Unit: inch(mm))



QUAD Bridge Rectifier 50A

EDCON-Ser. **E17006**

International Serie: **KBPC50xx**

DRW: Jason	CHKD: Wilson	MATL: Wilson	TOLERANCE: Mason	DATE: 10.05.2010
APPD: Schumi	FINISH: Jamy		Sheet No.:	1 from 4

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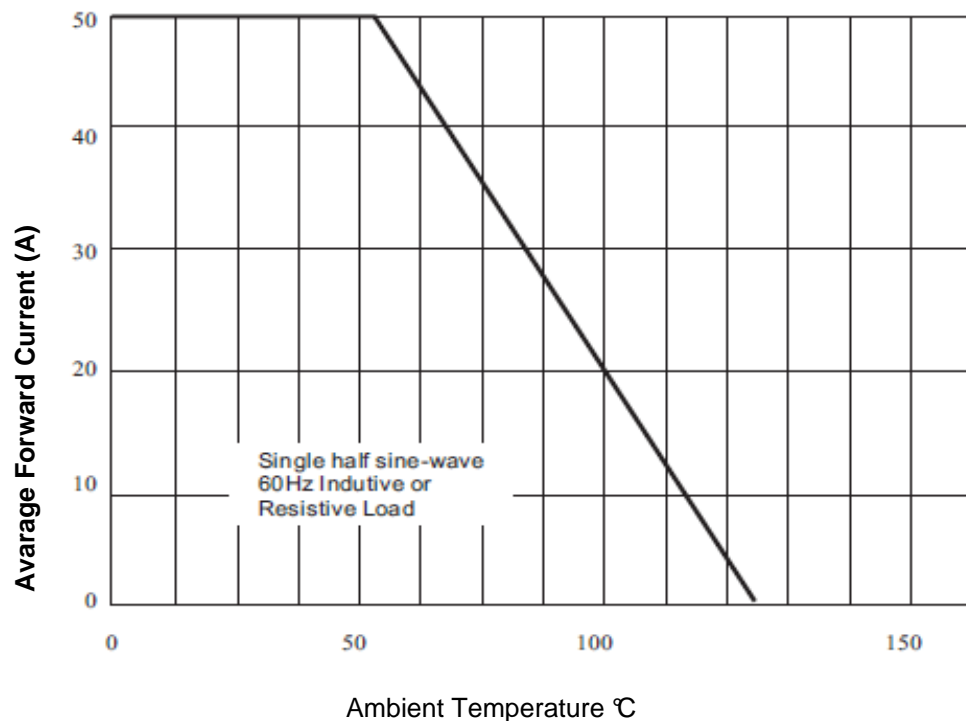
email: info@edcon-components.com

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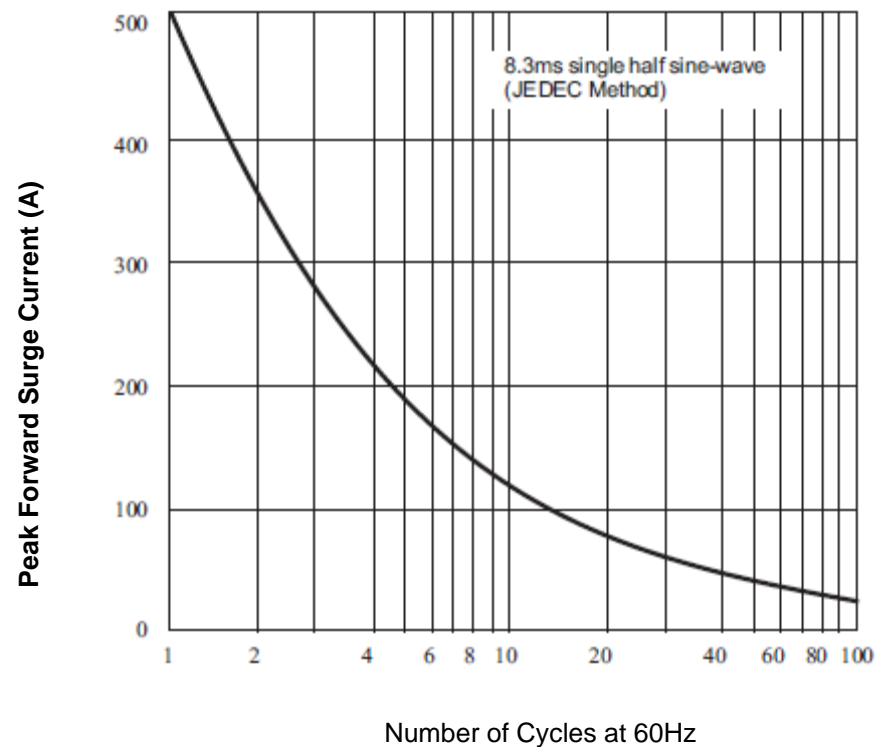


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Derating Curve for Output Rectified Current



Maximum NON Repetitive Forward Surge Current



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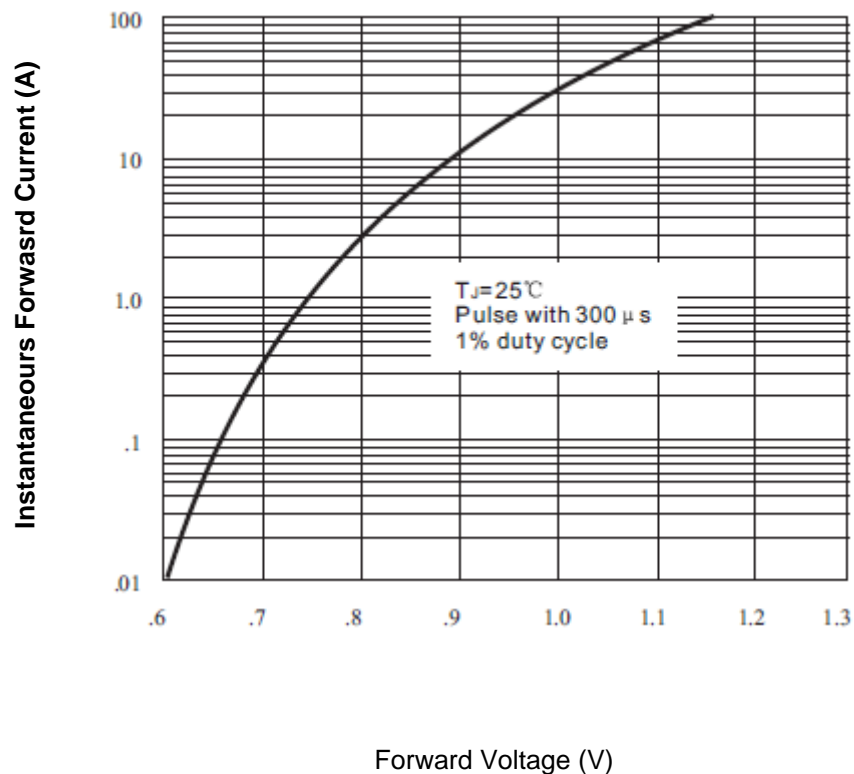
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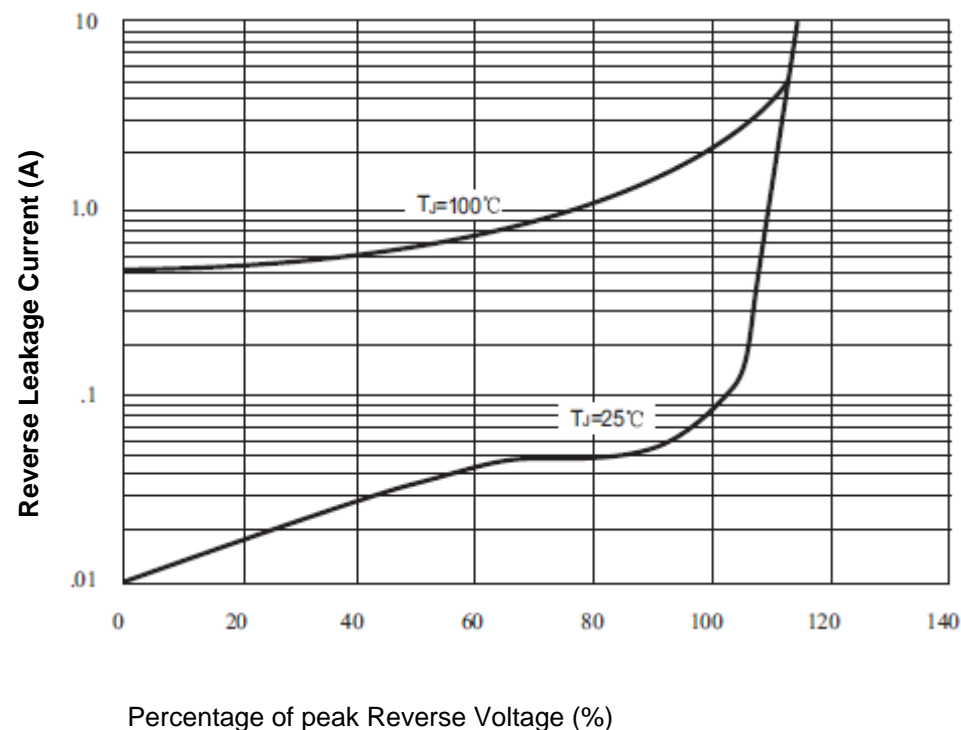


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



Typical Reverse Characteristics



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

Ordering Informations

EDCON Serie	International Type	NO function	ROHS	Package					
E17006	KBPC50xx	xx	R	BX					

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

QUAD Bridge Rectifier 50A	
EDCON-Ser.	E17006
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