

# EDCON-COMPONENTS



## Specifications

### Features

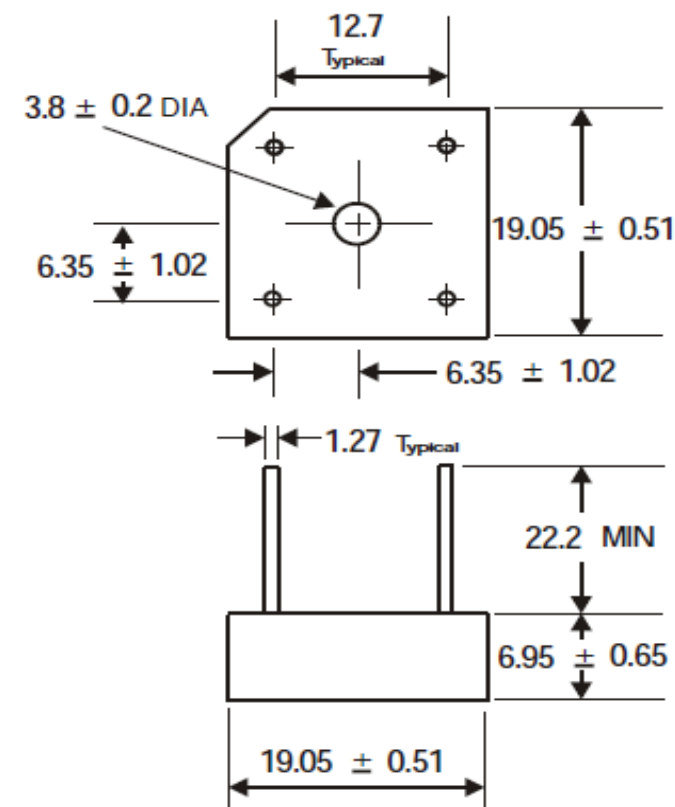
- This serie is UL listed under the recognized Component index file number E142814
- The plastic material used carries Underwriters Laboratory flammability recognition 94V-0
- High temperature metallurgically bonded internal rectifiers
- Typical Ir less than 1µA
- Plated leads solderable per MIL-STD-. 202 Method 208
- Voil free plastic package

Weight 6,9gr.

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

	Sym bols	BR 1005	BR 101	BR 102	BR 104	BR 106	BR 108	BR 1010	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)	10							Amps
Peak forward surge current 8,3ms single half sine-wave	IFSM	150							Amps
Maximum forward voltage drop	VF	1,10							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
Type junction capacitance VR=4,0V f=1,0Mhz	CJ	55							pF
I <sup>2</sup> t rating for fusing	I <sup>2</sup> t	10							A <sup>2</sup> t
Typical thermal resistance junction to case	R 0 JA	9,4							°C/W

## Technical Drawing (Unit: inch(mm))



**QUAD Bridge Rectifier 10A**

EDCON-Ser. **E19004**

International Serie: **BR10xx**

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

[www.edcon-components.com](http://www.edcon-components.com)

email: info@edcon-components.com

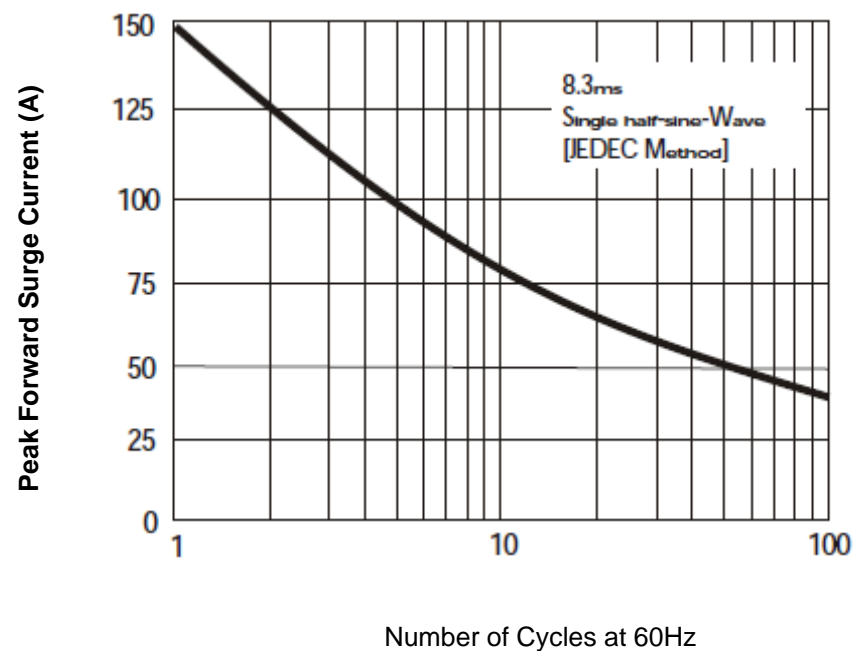
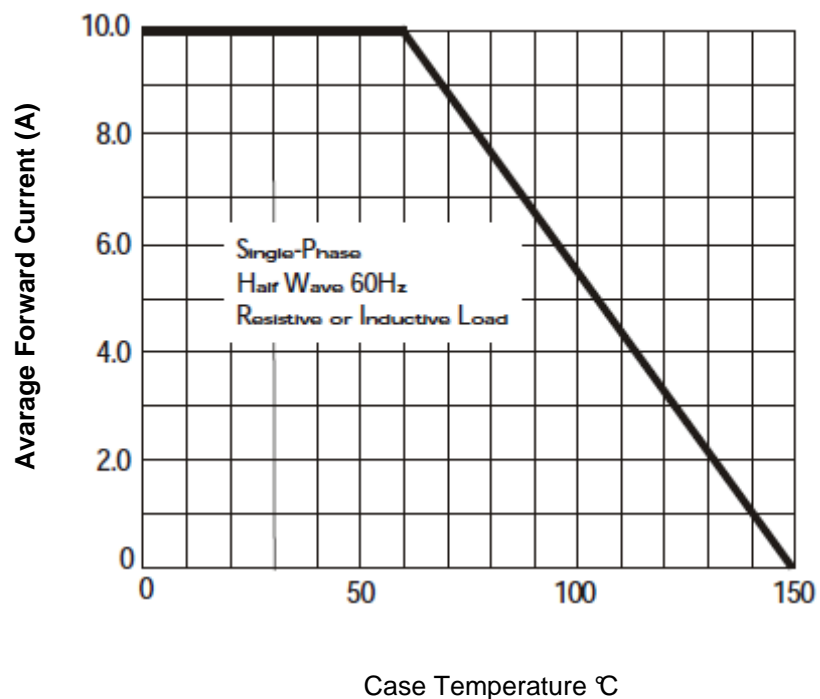
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Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Derating Curve for Output Rectified Current

Maximum NON Repetitive Forward Surge Current



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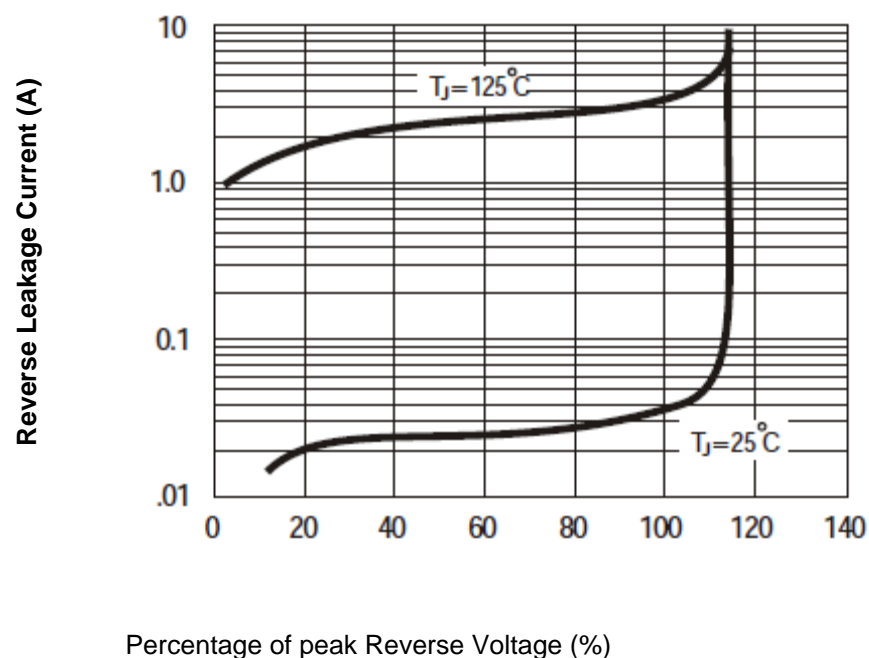
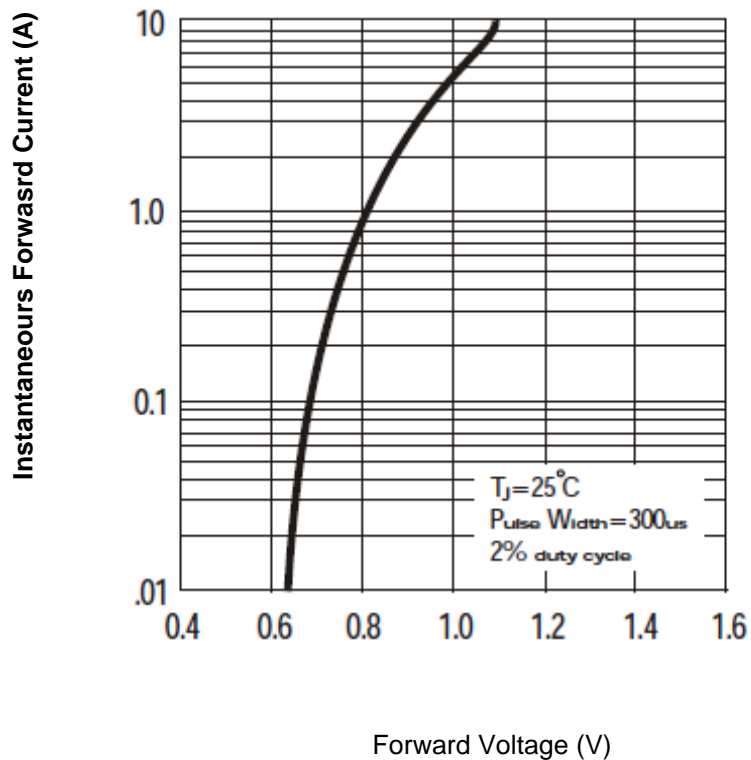
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Rating & Characteristics Curves (TA=25°C unless otherwise noted)

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					
<b>E19004</b>	<b>BR10xx</b>	<b>LL</b>	<b>R</b>	<b>BX</b>					

Look Voltage Code Table	<b>LL</b> = Long Lead	<b>R</b> = ROHS Conform	<b>BX</b> = Box
	<b>L4</b> = Lead length 4mm	<b>N</b> = NON ROHS Conform	

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Soldering Profile Curve

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



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