

EDCON-COMPONENTS



Specifications

Features

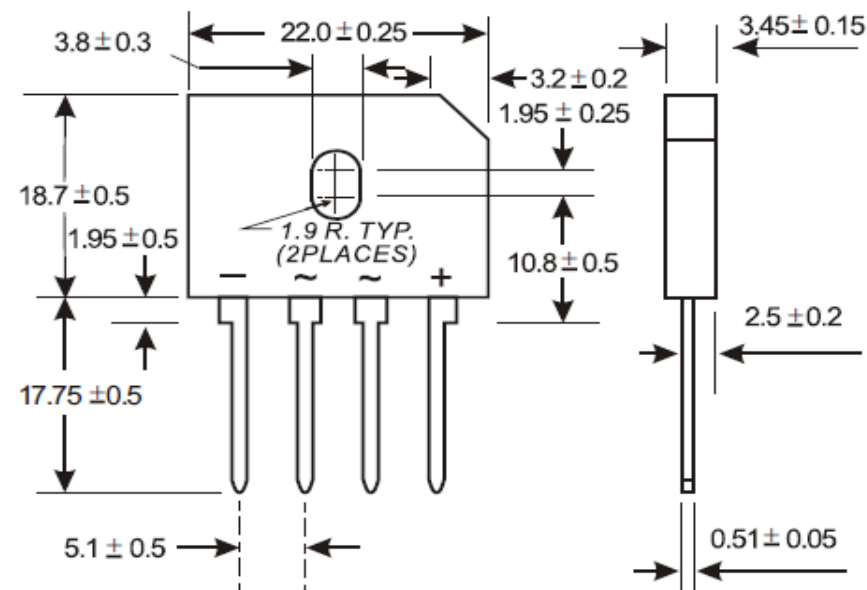
- The plastic material used carries Underwriters Laboratory flammability recognition 94V-0
- This Serie is UL listed under the recognized Component Index file number E142814
- Single Inline terminals array suitable for PC board mounting
- Molded plastic body
- High surge current capability
- Polarity symbols molded on body
- Plated leads solderable per MIL-STD-. 202 Method 208

Weight 4,0gr.

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

	Sym bols	GBU 8005	GBU 801	GBU 802	GBU 804	GBU 806	GBU 808	GBU 810	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)	8,0							Amps
Peak forward surge current 8,3ms single half sine-wave	IFSM	200							Amps
Maximum forward voltage drop	VF	1,1							Volt
Maximum revese voltage TA=25°C	IR	5							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	166							A²t
Typical thermal resistance junction to case	R 0 JA	2,2							°C/W

Technical Drawing (Unit: inch(mm))



**Single Inline Bridge Rectifier
8,0A**

EDCON-Ser. **E15039**

International
Serie: **GBU8xx**

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

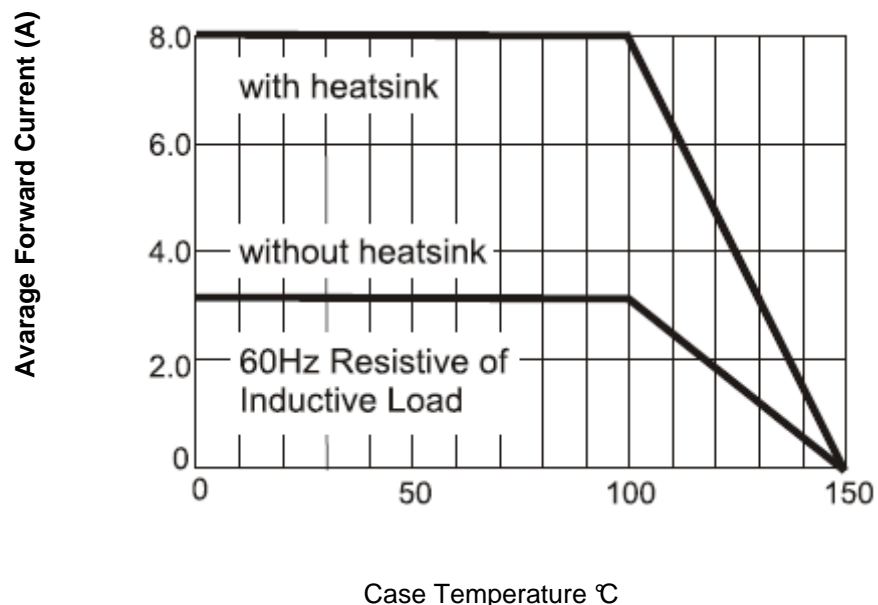
www.edcon-components.com

email: info@edcon-components.com

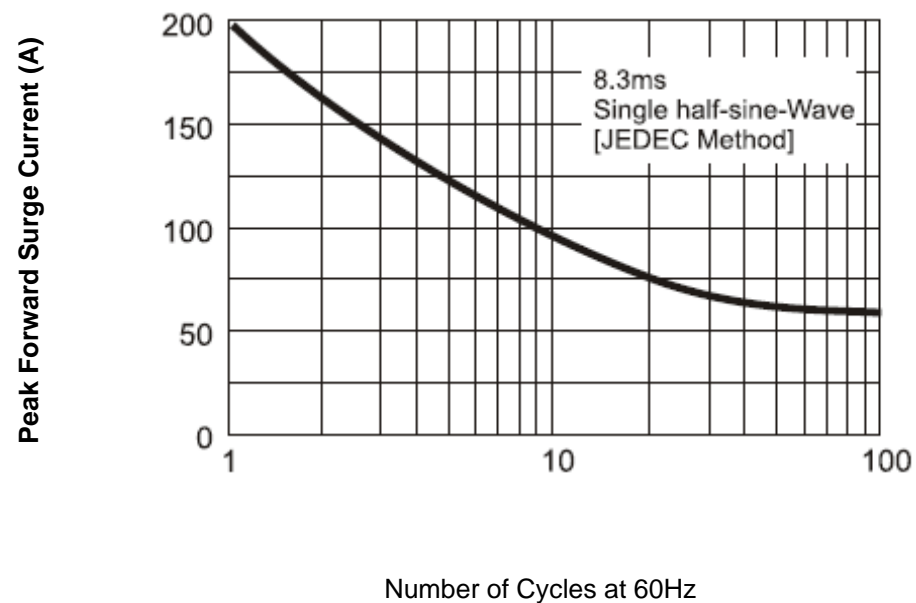


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Derating Curve for Output Rectified Current



Maximum NON Repetitive Forward Surge Current



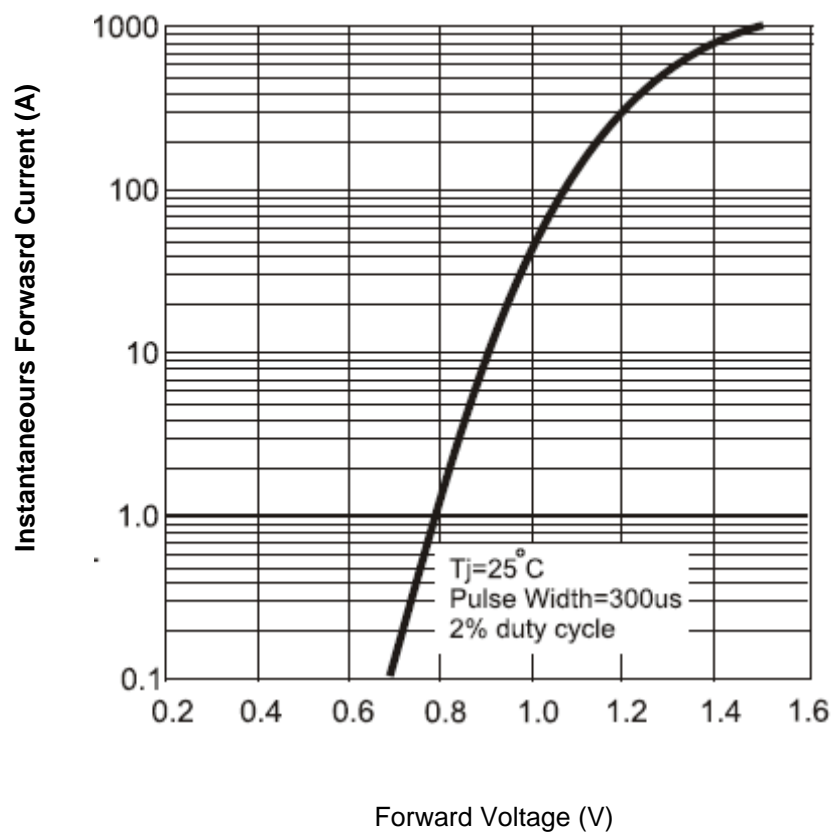
Single Inline Bridge Rectifier 8,0A	
EDCON-Ser.	E15039
International Serie:	GBU8xx

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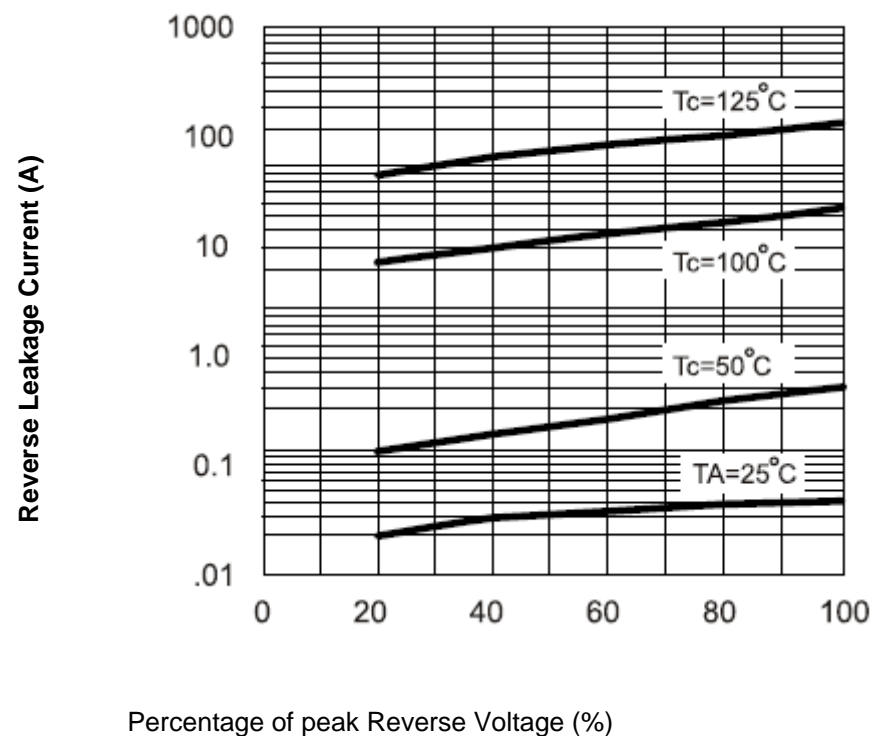


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



Typical Reverse Characteristics



Single Inline Bridge Rectifier 8,0A	
EDCON-Ser.	E15039
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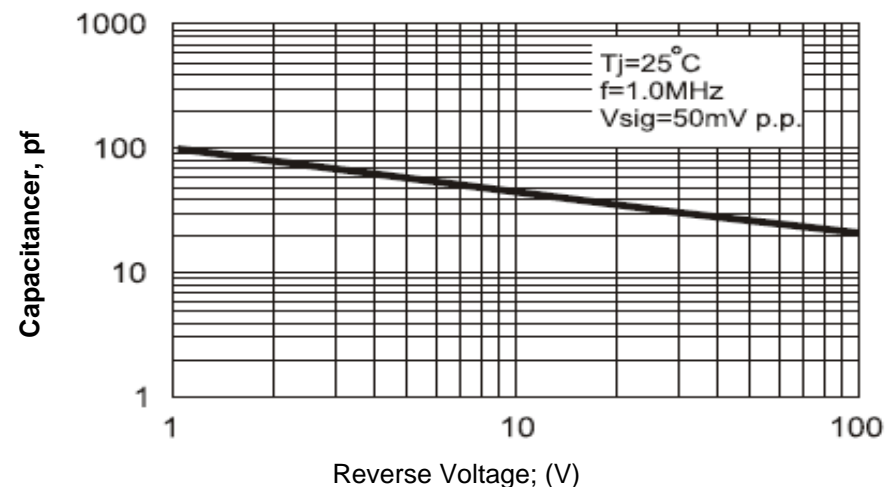
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Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Forward Current Derating Curve



Ordering Informations

EDCON Serie	International Type	NO function	ROHS	Package					
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E15039	GBU8xx	LL	R	BX					
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Look Voltage Code Table	LL = Long Lead	R = ROHS Conform	BX = Box
	L4 = Lead length 4mm	N = NON ROHS Conform	

**Single Inline Bridge Rectifier
8,0A**

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Soldering Profile Curve

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



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