

# EDCON-COMPONENTS



## Specifications

### Features

The plastic material used carries Underwriters Laboratory flammability recognition 94V-0  
High surge current capability

Case: Molded plastic body

Polarity symbols marked on the body

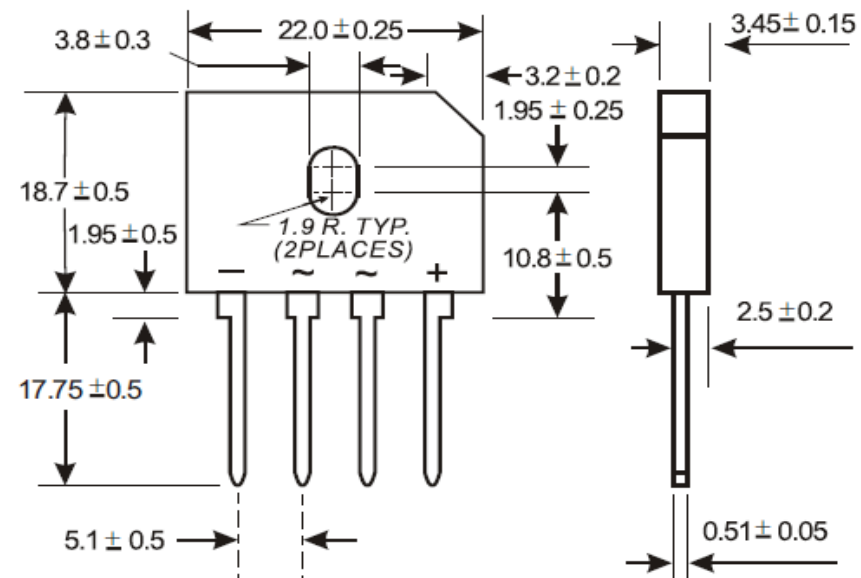
Plated leads solderable per MIL-STD-750 Method 2026

Weight 4gr.

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

Parameter	Symbols	GBU 15005	GBU 1501	GBU 1502	GBU 1504	GBU 1506	GBU 1508	GBU 1510	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)	15							Amps
Peak forward surge current 8,3ms single half sine-wave	IFSM	200							Amps
Maximum forward voltage drop	VF	1,10							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
I <sup>2</sup> t rating for fusing	I <sup>2</sup> t	166							A <sup>2</sup> t
Typical thermal resistance junction to case	R 0 JA	2							°C/W

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



<b>Single Inline Bridge Rectifier 15A</b>	
EDCON-Ser.	<b>E15025</b>
International Serie:	<b>GBU15xx</b>

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

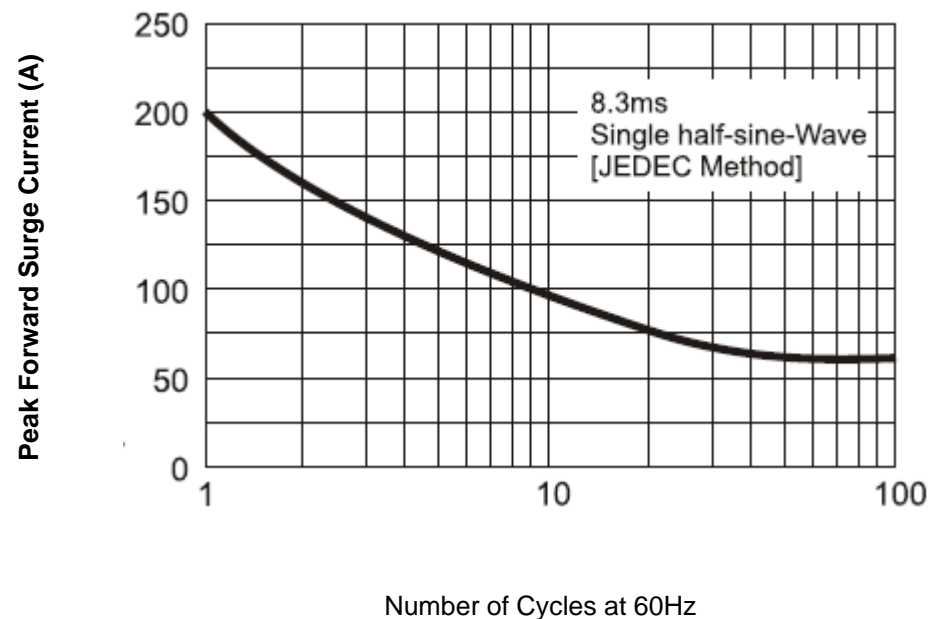
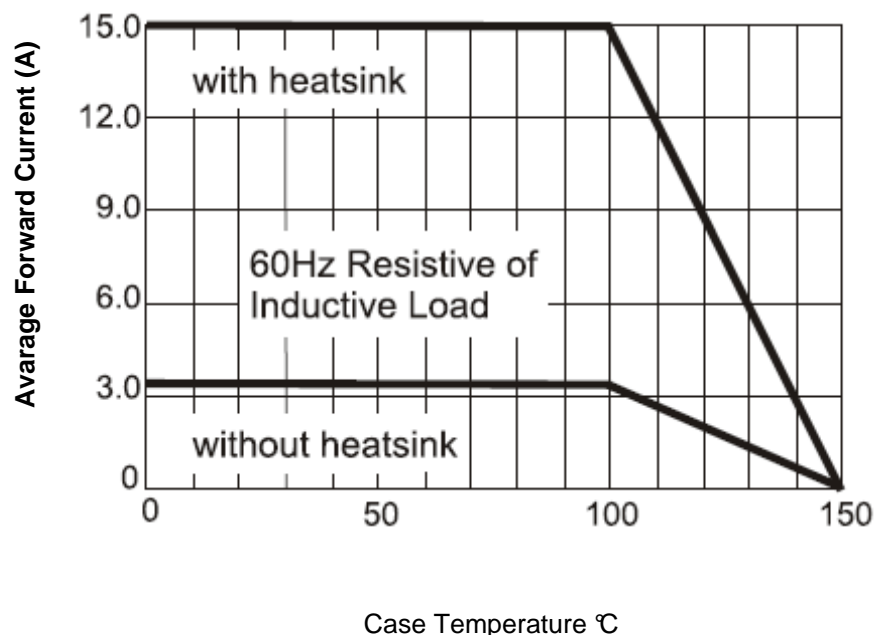
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Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Derating Curve for Output Rectified Current

Maximum NON Repetitive Forward Surge Current



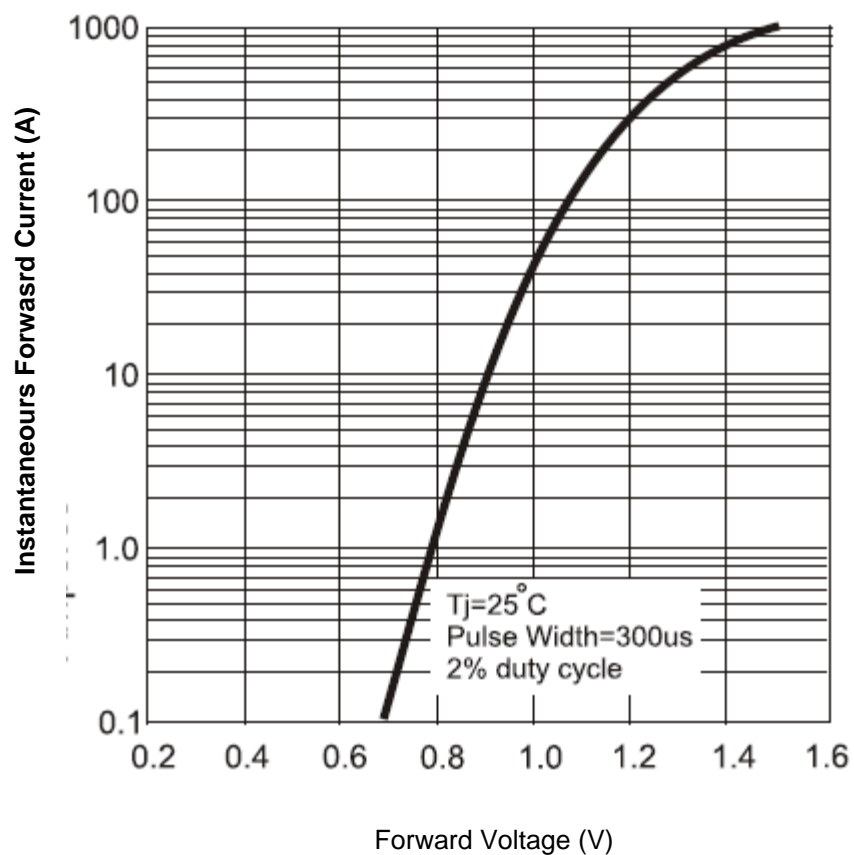
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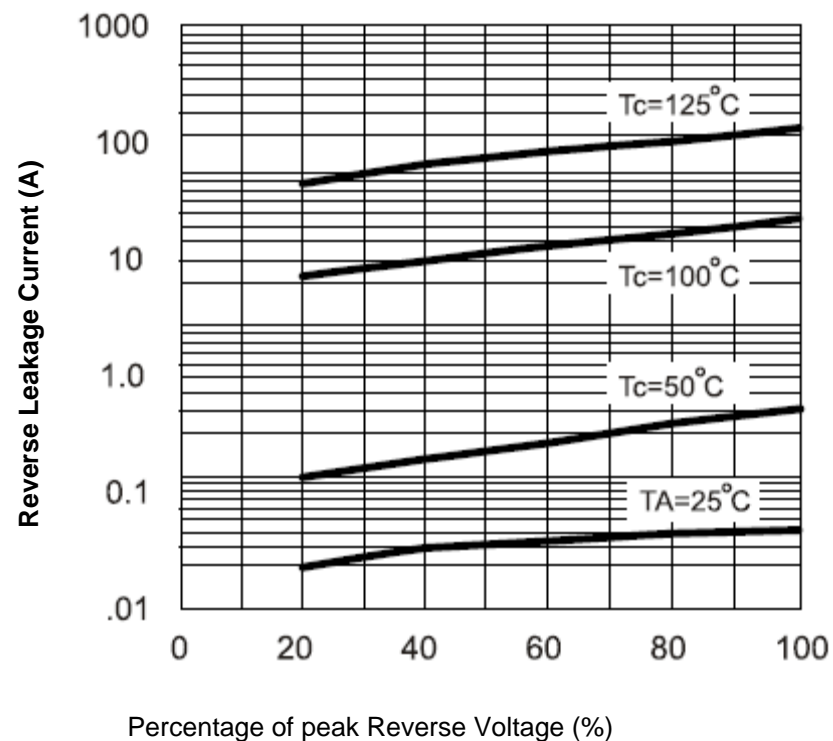


## Rating & Characteristics Curves (TA=25°C unless otherwise noted)

### Typical Forward Characteristics



### Typical Reverse Characteristics



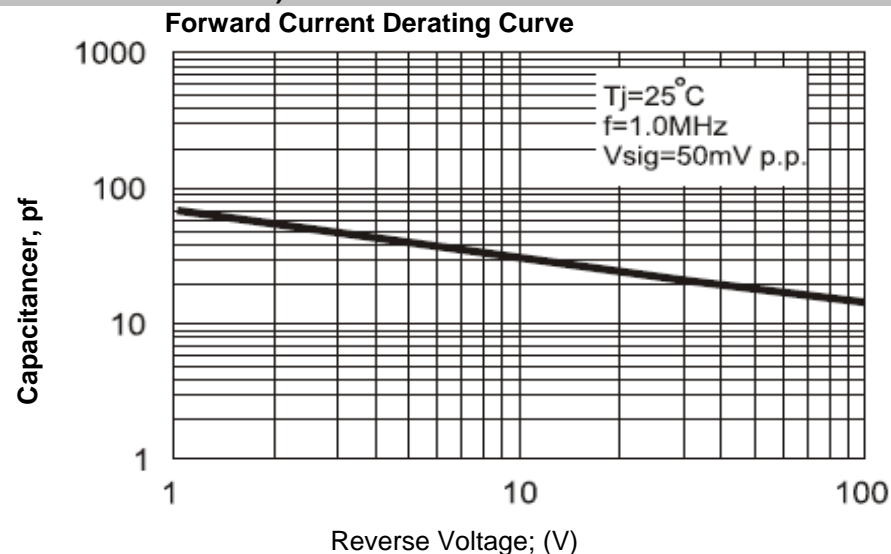
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Rating & Characteristics Curves (TA=25°C unless otherwise noted)



## Ordering Informations

EDCON Serie	International Type	Lead information	ROHS	Package					
<b>E15025</b>	<b>GBU15xx</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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