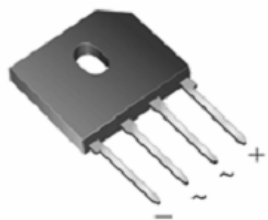


# EDCON-COMPONENTS



## Specifications

### Features

Plastic Package has Underwriters Laboratory Flamability Classification 94V-0  
 This Serie is UL listed under Recognized Component Index file number E252843

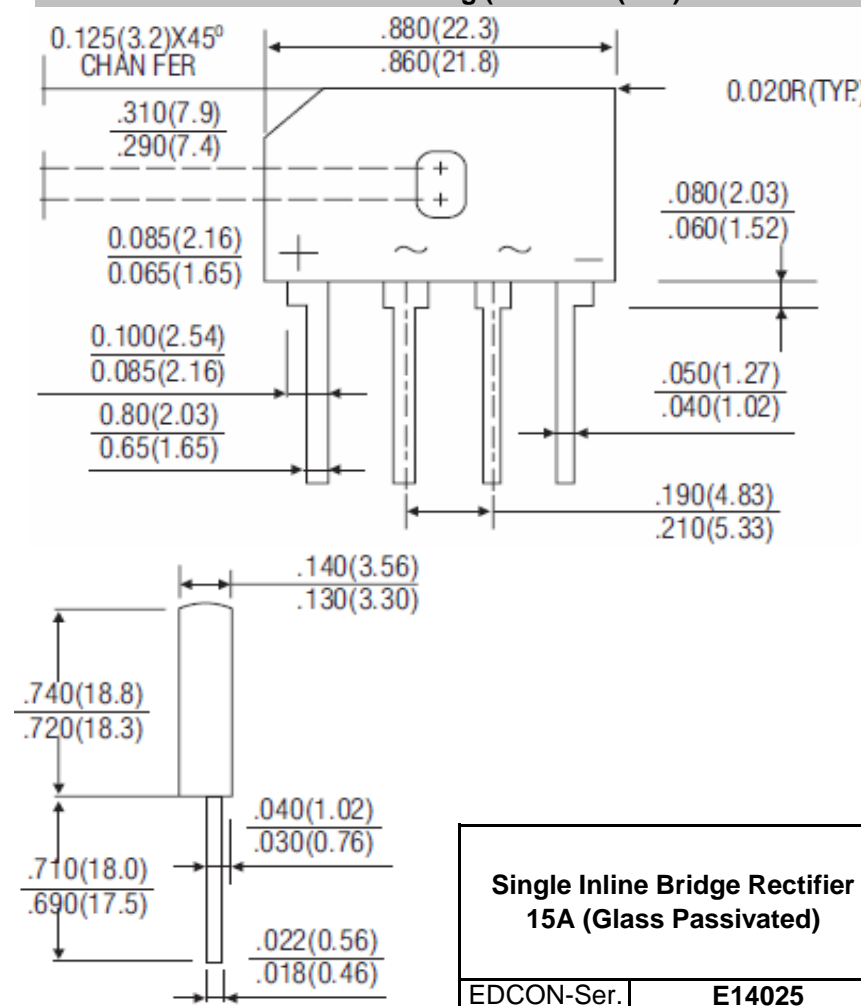
### Mechanical Data

Case: Molded plastic body over passivated junctions  
 Terminals: plated leads solderable per MIL-STD-750, Method 2026  
 Polarity: Polarity symbols marked on body  
 Weight: 4,0gr.

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

	Sym bols	GBU 15005G	GBU 1501G	GBU 1502G	GBU 1504G	GBU 1506G	GBU 1508G	GBU 1510G	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)	15,0							Amps
Peak forward surge current 8,3ms single half sine-wave	IFSM	250							Amps
Maximum forward voltage	VF	1,1							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 + 150°C							°C

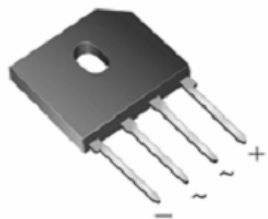
## Technical Drawing (Unit: inch(mm))



<b>Single Inline Bridge Rectifier 15A (Glass Passivated)</b>	
EDCON-Ser.	<b>E14025</b>
International Serie:	<b>GBU15xxG</b>

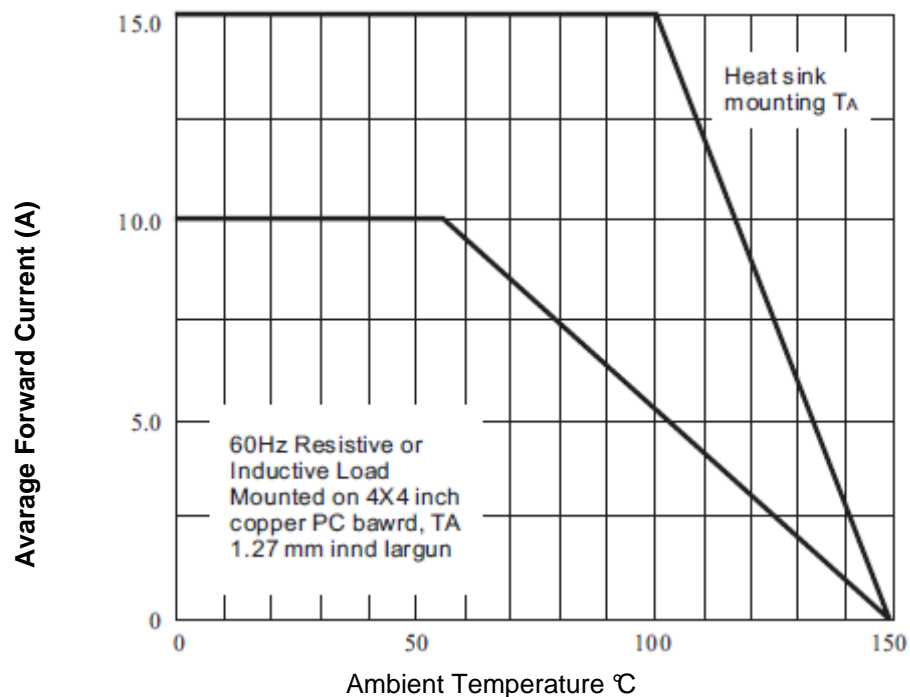
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 5

# EDCON-COMPONENTS

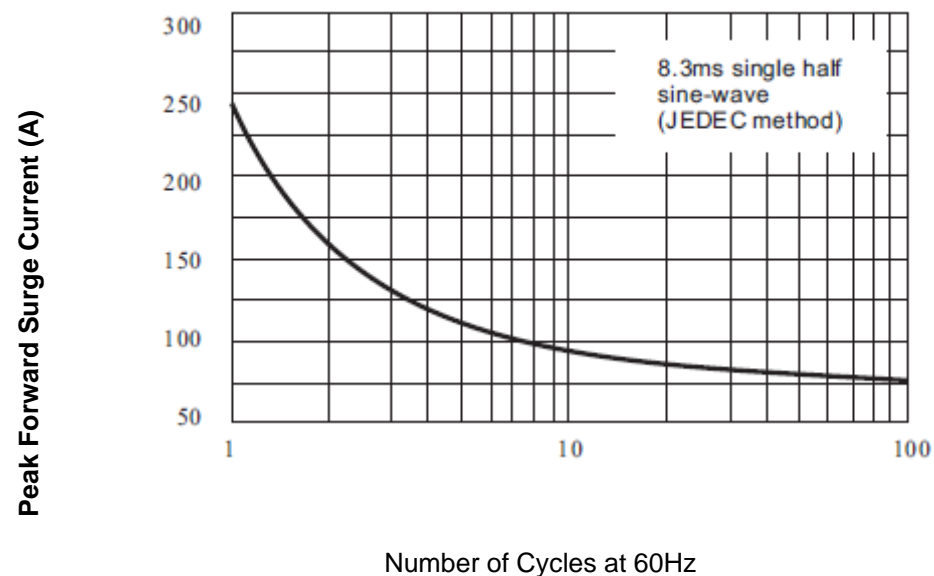


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Current Characteristics Derating Curve



Maximum NON Repetitive Forward Surge Current



**Single Inline Bridge Rectifier  
15A (Glass Passivated)**

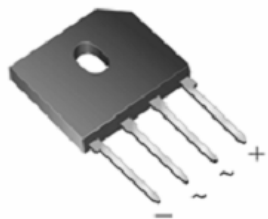
EDCON-Ser. **E14025**

International Serie: **GBU15xxG**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.	2 from 5	

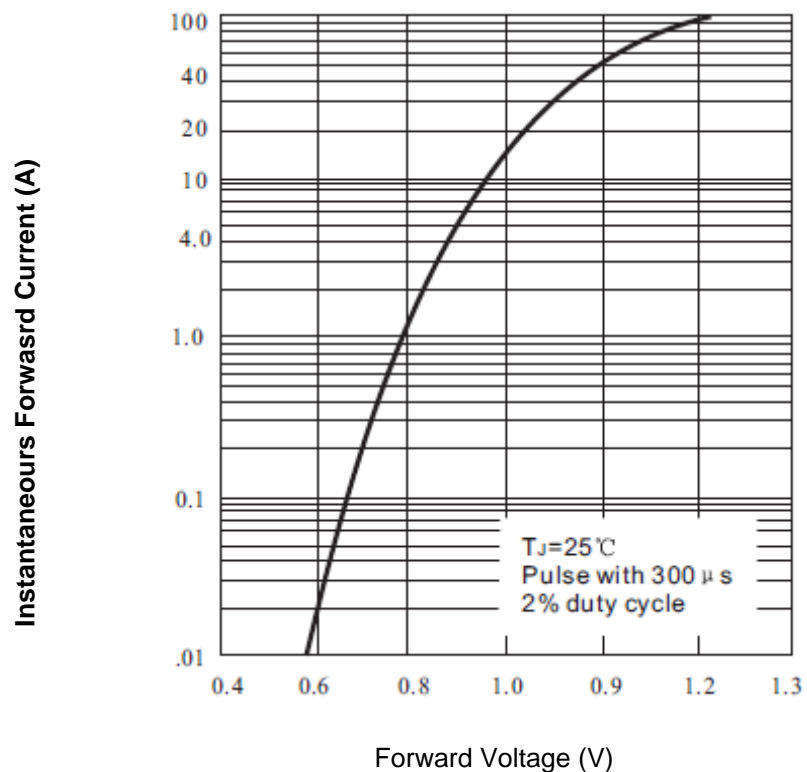
[www.edcon-components.com](http://www.edcon-components.com)

email: [info@edcon-components.com](mailto:info@edcon-components.com)

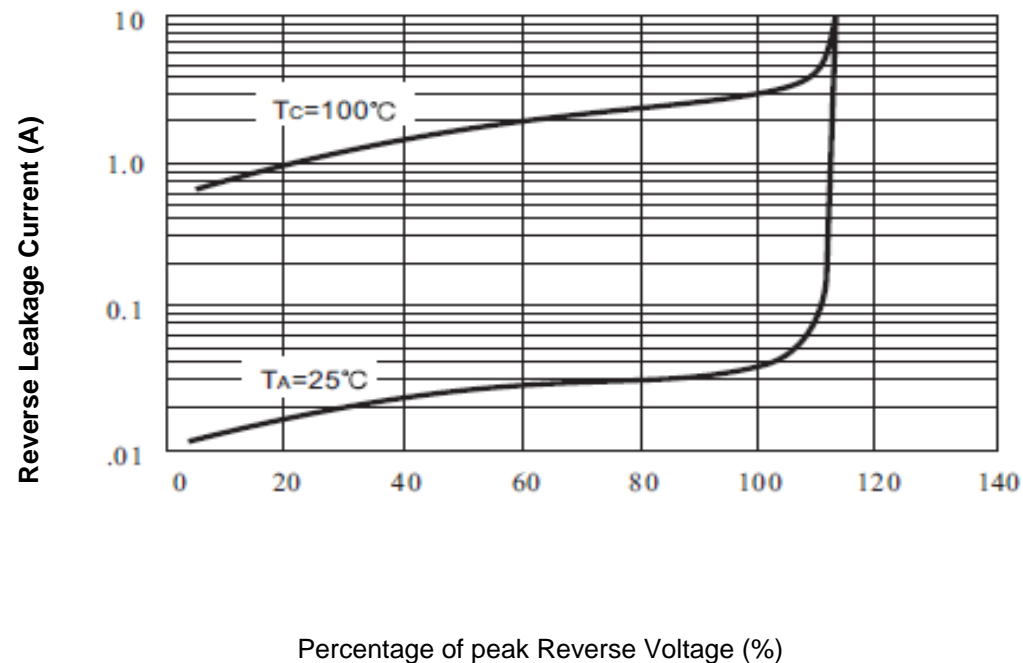


## Rating & Characteristics Curves (TA=25°C unless otherwise noted)

### Typical Forward Characteristics



### Typical Reverse Characteristics



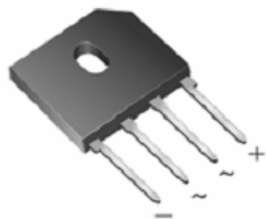
**Single Inline Bridge Rectifier  
15A (Glass Passivated)**

EDCON-Ser. **E14025**

International Serie: **GBU15xxG**

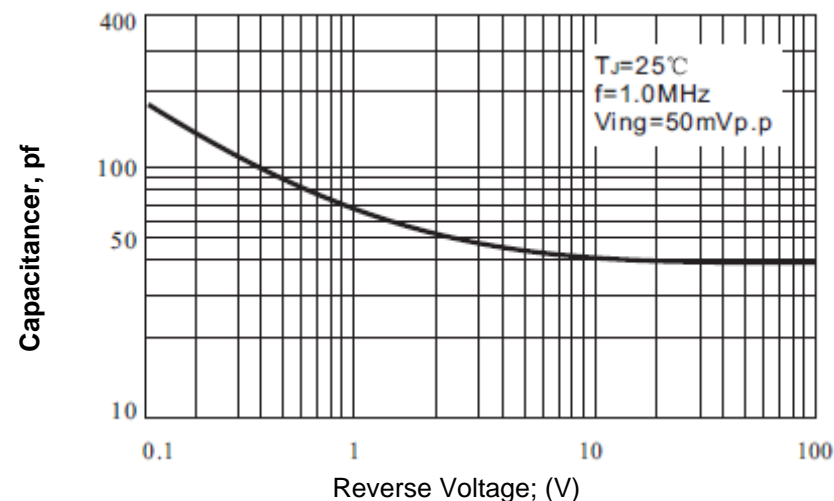
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.	3 from 5	

# EDCON-COMPONENTS



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

Forward Current Derating Curve



## Ordering Informations

EDCON Serie	International Type	Lead Information	ROHS	Package					
<b>E14025</b>	<b>GBU15xxG</b>	<b>LL</b>	<b>R</b>	<b>BX</b>					

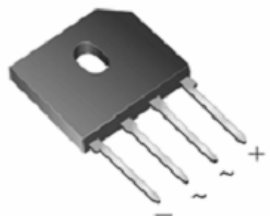
Look Voltage Code Table	<b>LL</b> = Long Lead	<b>R</b> = ROHS Conform	<b>BX</b> = Box
	<b>L5</b> = Lead Length 5mm	<b>N</b> = NON ROHS Conform	

<b>Single Inline Bridge Rectifier 15A (Glass Passivated)</b>	
EDCON-Ser.	<b>E14025</b>
International Serie:	<b>GBU15xxG</b>

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.		4 from 5

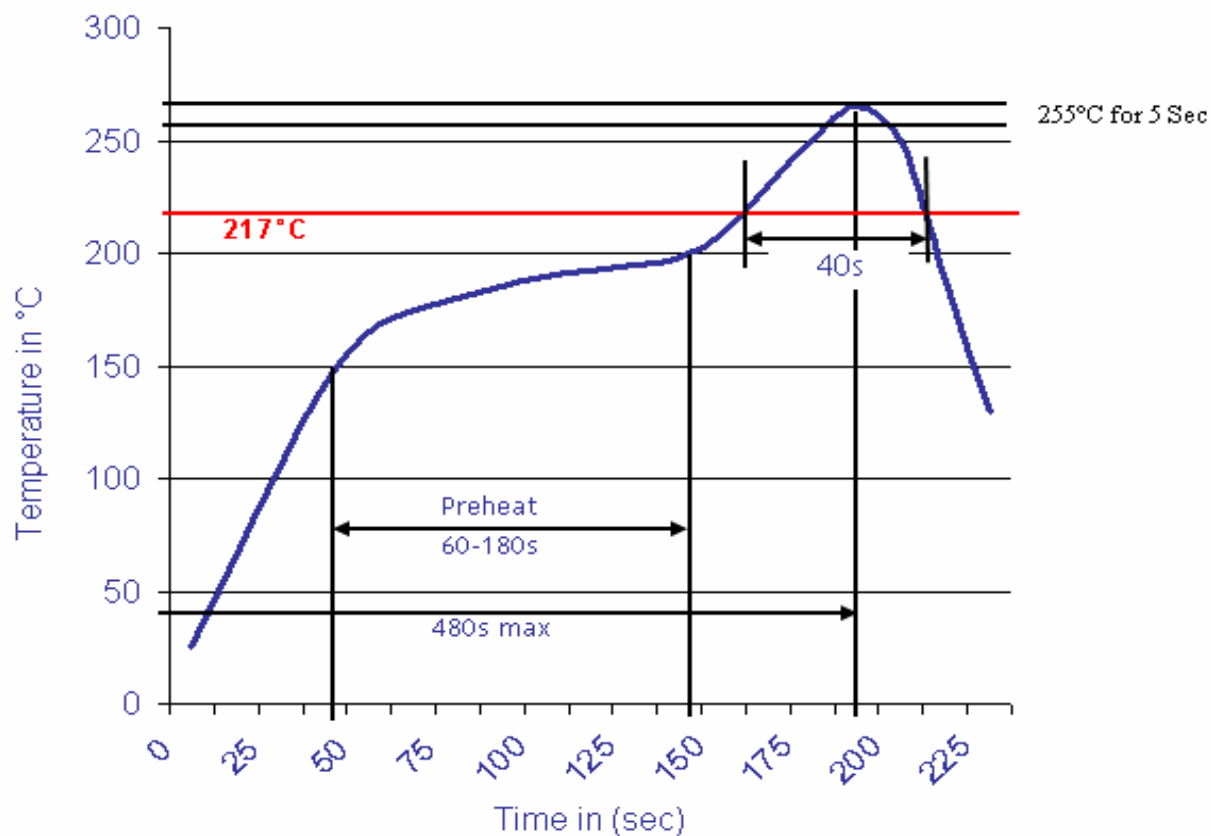
[www.edcon-components.com](http://www.edcon-components.com)

email: info@edcon-components.com



Soldering Profile Curve

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



<b>Single In-Line Bridge Rectifier 15A (Glass Passivated)</b>	
EDCON-Ser.	<b>E14025</b>
International Serie:	<b>GBU15xxG</b>

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