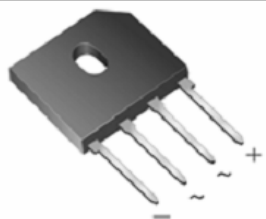


# EDCON-COMPONENTS



## Specifications

### Features

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

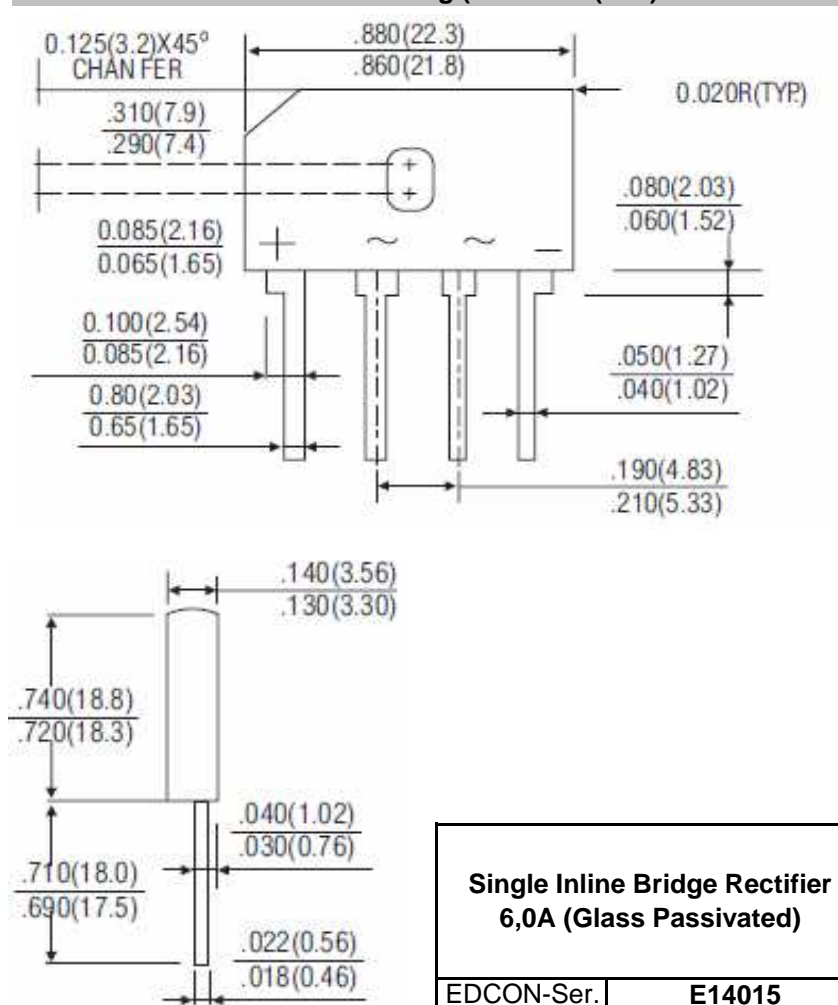
### Mechanical Data

Case: Molded plastic body  
 Terminals: plated leads solderable per MIL-STD-750, Method 2026  
 Polarity: Polarity symbols marked on body  
 Weight: 7,0gr.

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

	Sym bols	GBU 601G	GBU 602G	GBU 603G	GBU 604G	GBU 605G	GBU 606G	GBU 608G	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)	6,0							Amps
Peak forward surge current 8,3ms single half sine-wave	IFSM	175							Amps
Maximum forward voltage	VF	1,1							Volt
Maximum revese voltage TA=25°C	IR	5,0							µA
Maximum revese voltage TA=125°C	IR	500							µA
Operating and storage temperature range	TJ TSTG	-55°C to + 150°C							°C
Type junction capacitance VR=3,0V f=1,0Mhz	CJ	211			94				pF

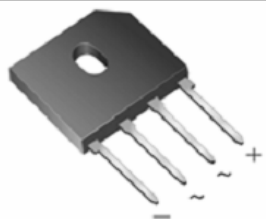
## Technical Drawing (Unit: inch(mm))



<b>Single Inline Bridge Rectifier 6,0A (Glass Passivated)</b>	
EDCON-Ser.	<b>E14015</b>
International Serie:	<b>GBU6xxG</b>

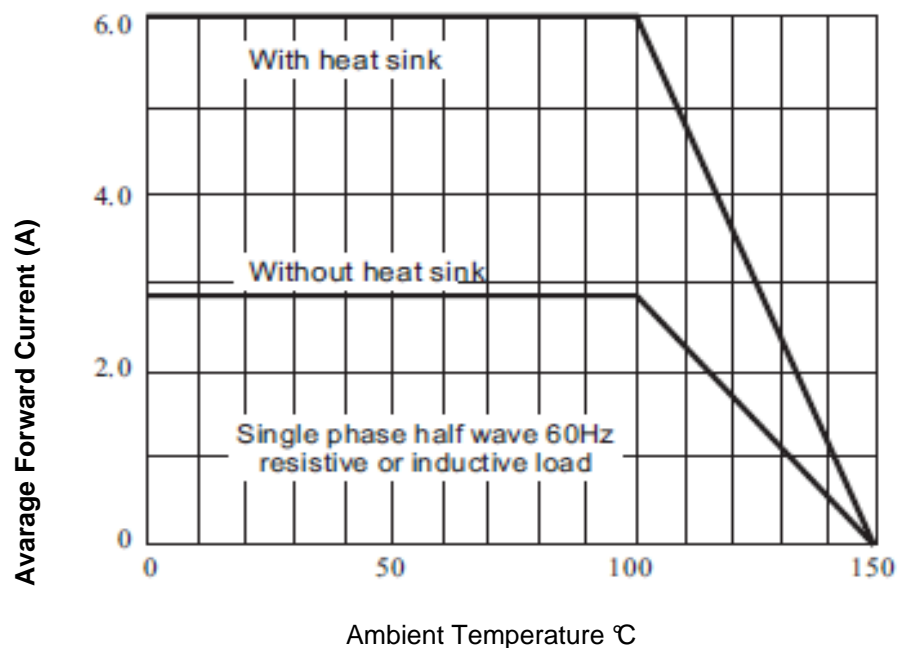
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 5

# EDCON-COMPONENTS

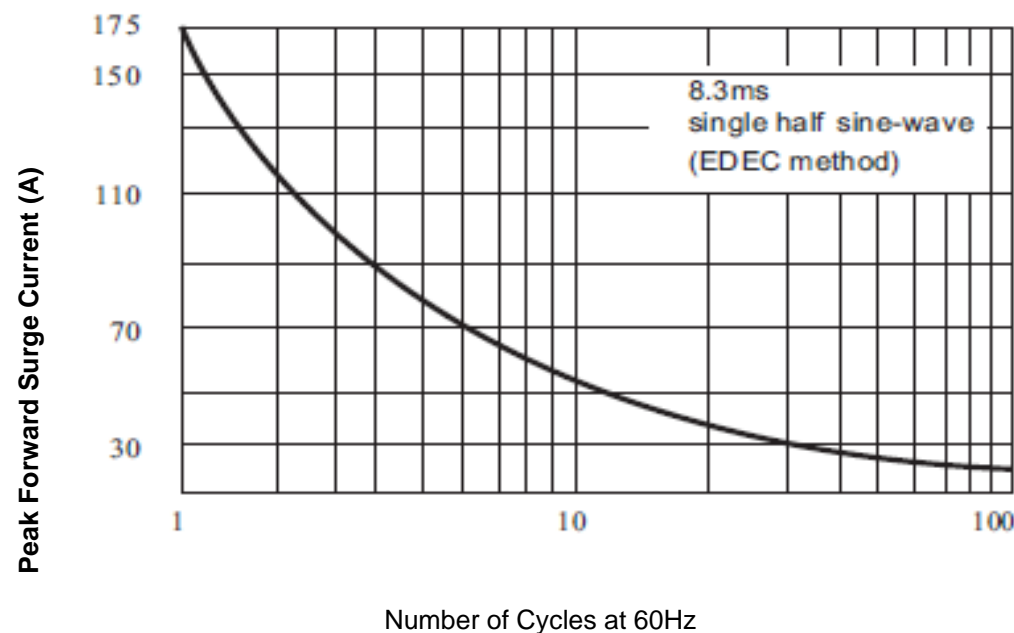


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Current Characteristics Derating Curve



Maximum NON Repetitive Forward Surge Current



**Single In-Line Bridge Rectifier  
6,0A (Glass Passivated)**

EDCON-Ser. **E14015**

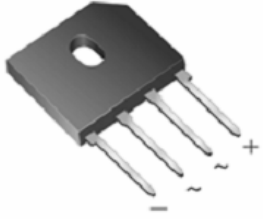
International Serie: **GBU6xxG**

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)

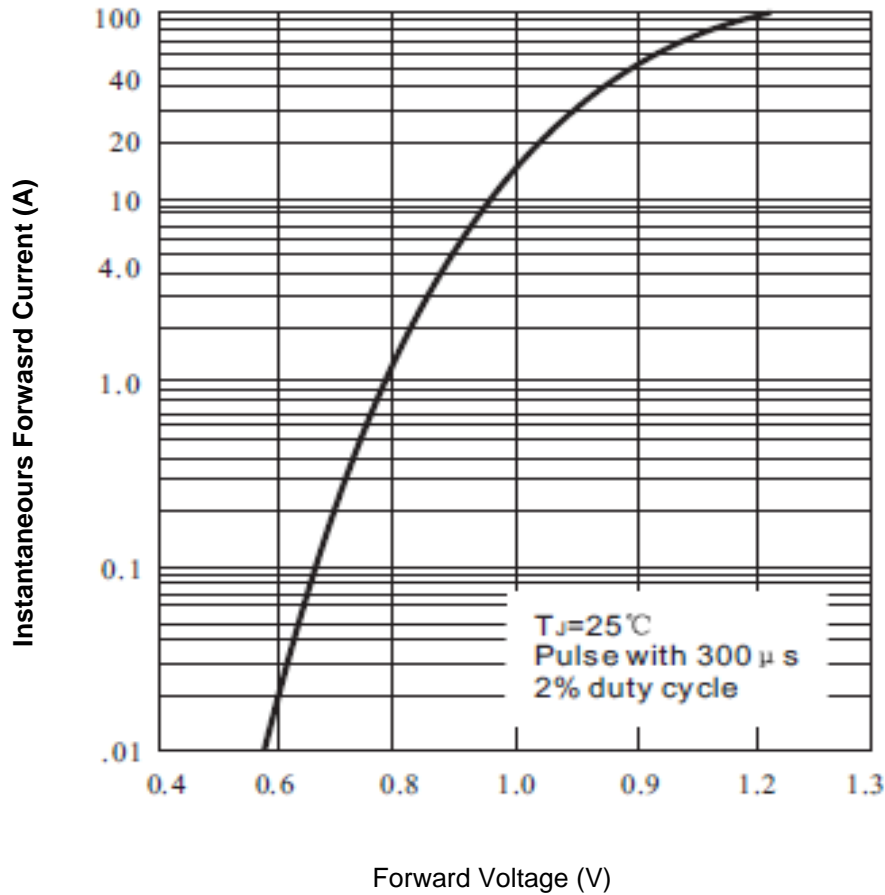
email: [info@edcon-components.com](mailto:info@edcon-components.com)

# EDCON-COMPONENTS

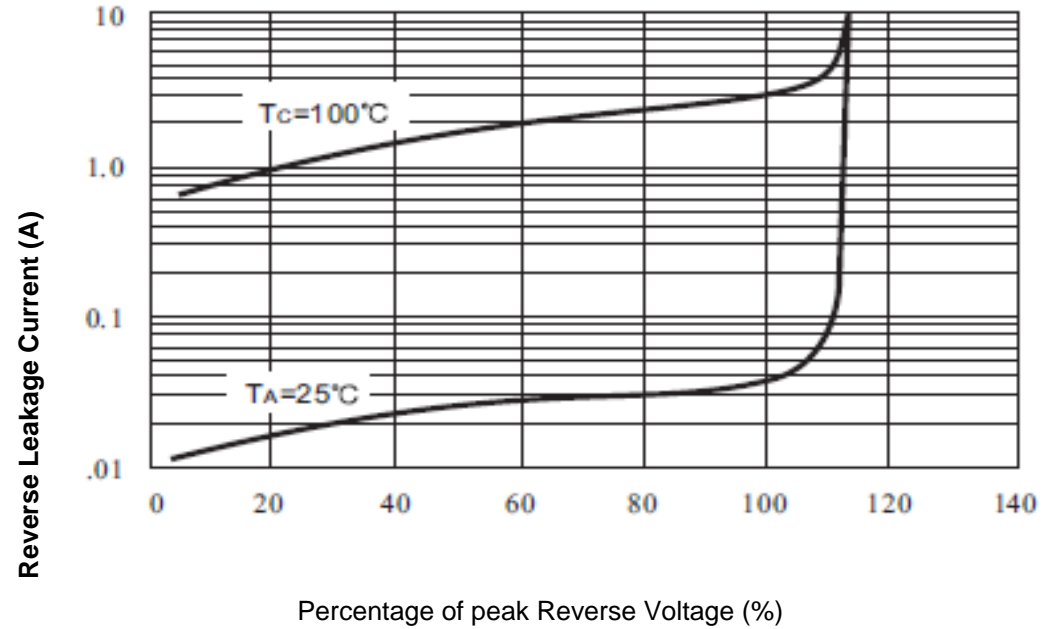


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



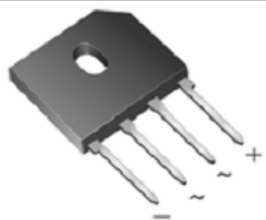
Typical Reverse Characteristics



<b>Single Inline Bridge Rectifier 6,0A (Glass Passivated)</b>	
EDCON-Ser.	<b>E14015</b>
International Serie:	<b>GBU6xxG</b>

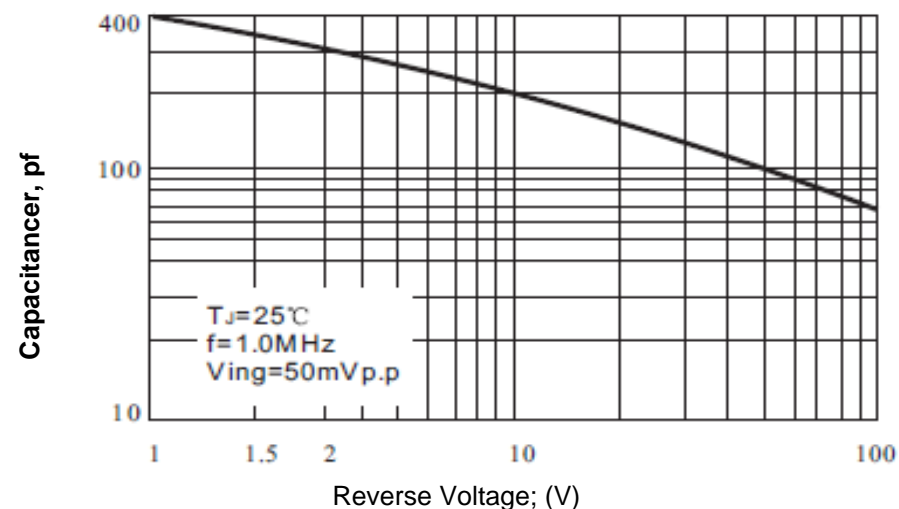
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.	3 from 5	

# EDCON-COMPONENTS



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

Typical Junction Capacitance per Leg



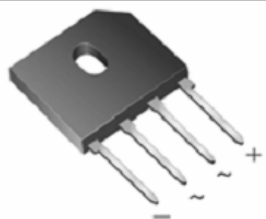
## Ordering Informations

EDCON Serie	International Type	Lead Information	ROHS	Package					
<b>E14015</b>	<b>GBU6xxG</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	

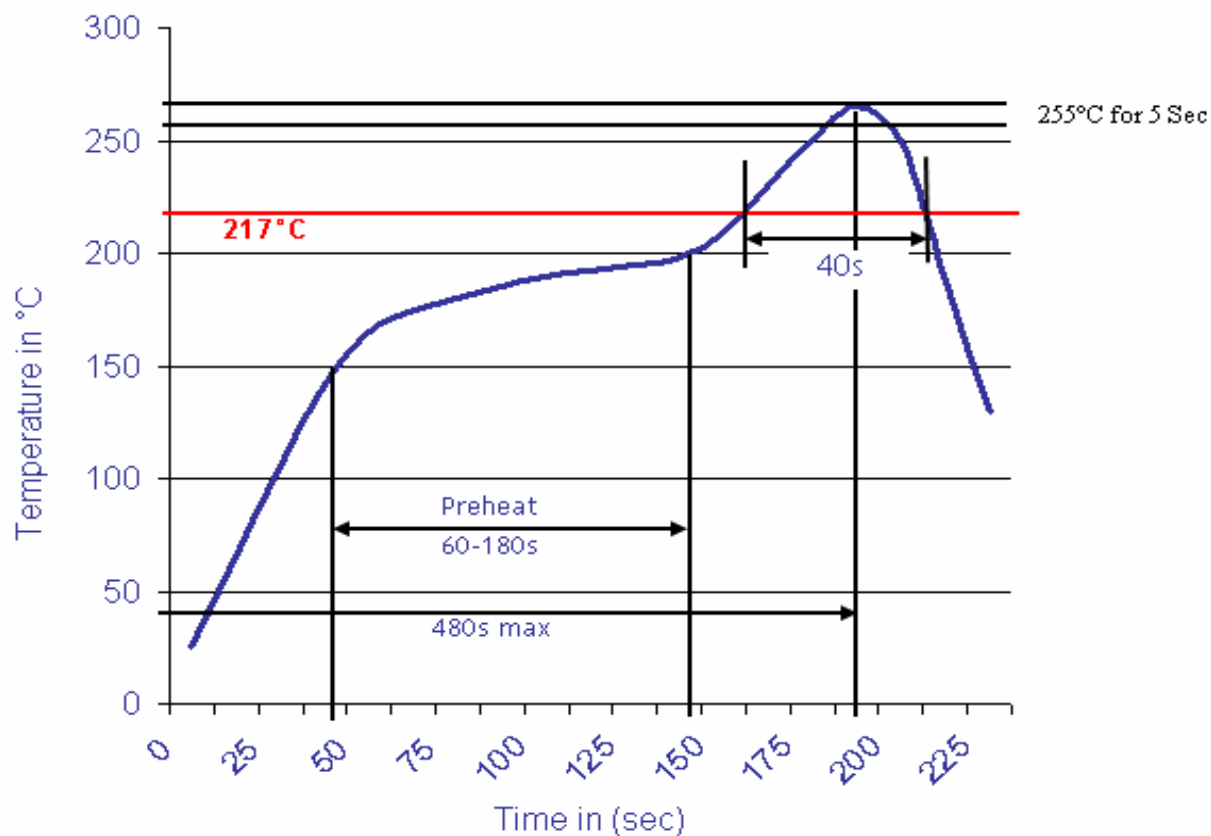
<b>Single In-line Bridge Rectifier 6,0A (Glass Passivated)</b>	
EDCON-Ser.	<b>E14015</b>
International Serie:	<b>GBU6xxG</b>

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



Soldering Profile Curve

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



<b>Single Inline Bridge Rectifier 6,0A (Glass Passivated)</b>	
EDCON-Ser.	<b>E14015</b>
International Serie:	<b>GBU6xxG</b>

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