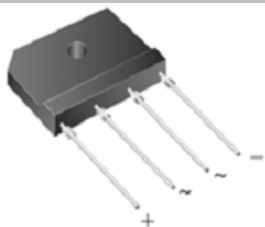


# EDCON-COMPONENTS



## Specifications

### Features

- Plastic Package has Underwriters Laboratory Flamability Classification 94V-0
- This Serie is UL listed under Recognized Component Index file number E252843
- High Surge current capability
- Glass passivated chip junctions

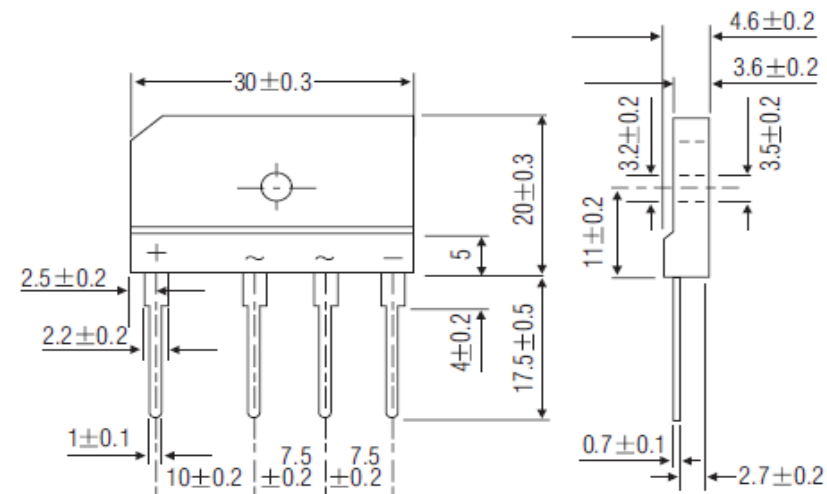
### Mechanical Data

- Case: 5S 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	GBJ 10005G	GBJ 1001G	GBJ 1002G	GBJ 1004G	GBJ 1006G	GBJ 1008G	GBJ 1010G	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)	10,0							Amps
Peak forward surge current 8,3ms single half sine-wave	IFSM	220							Amps
Maximum forward voltage	VF	1,05							Volt
Maximum revese voltage TA=25°C	IR	10							µA
Maximum revese voltage TA=125°C	IR	250							µA
Operating and storage temperature range	TJ TSTG	-55°C to + 150°C							°C
Type junction capacitance VR=4,0V f=1,0Mhz	CJ	22							pF

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



**Single Inline Bridge Rectifier  
10A (Glass Passivated)**

EDCON-Ser. **E14023**

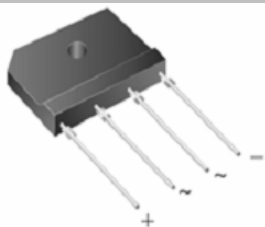
International Serie: **GBJ10xxG**

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)

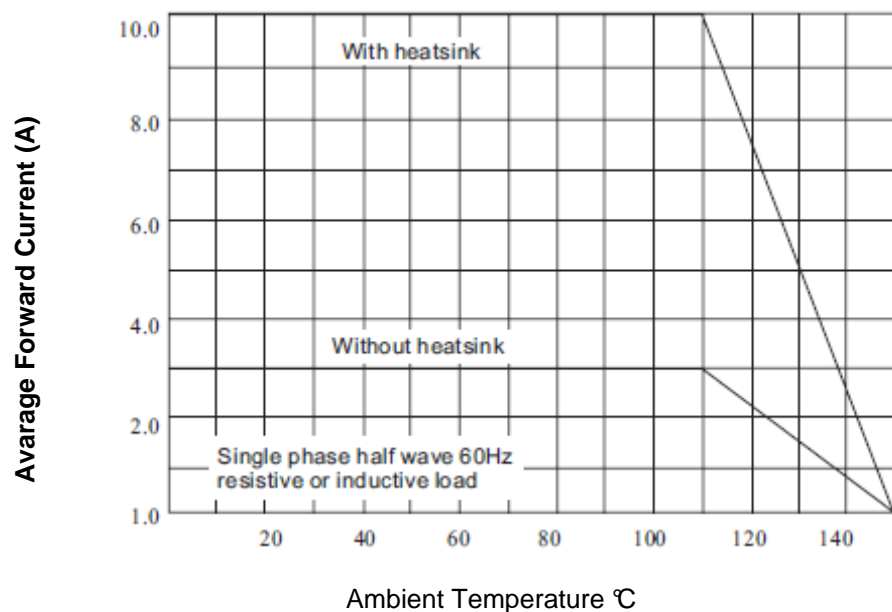
email: [info@edcon-components.com](mailto:info@edcon-components.com)

# EDCON-COMPONENTS

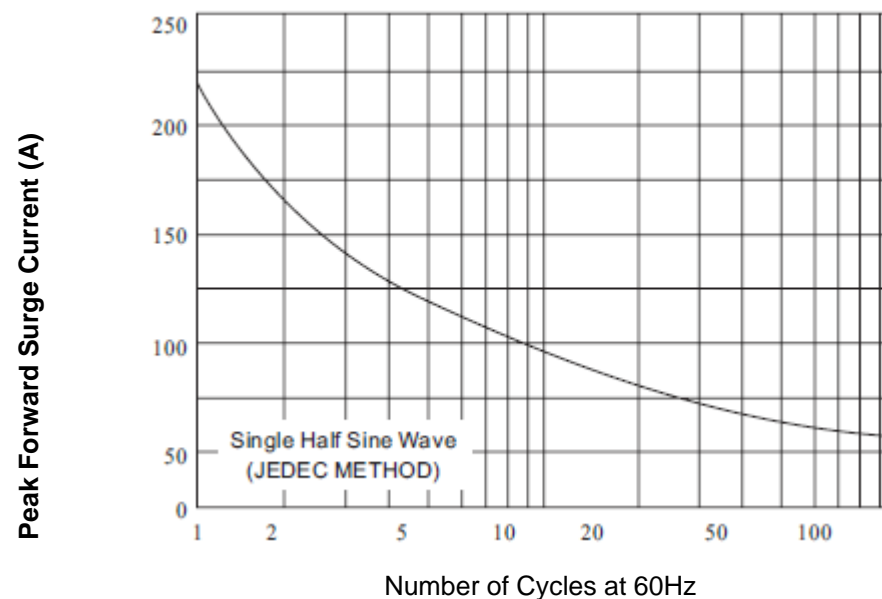


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Current Characteristics Derating Curve



Maximum NON Repetitive Forward Surge Current



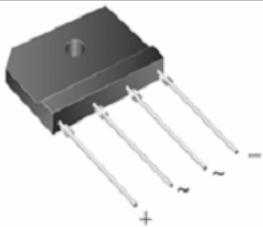
**Single Inline Bridge Rectifier  
10A (Glass Passivated)**

EDCON-Ser. **E14023**

International Serie: **GBJ10xxG**

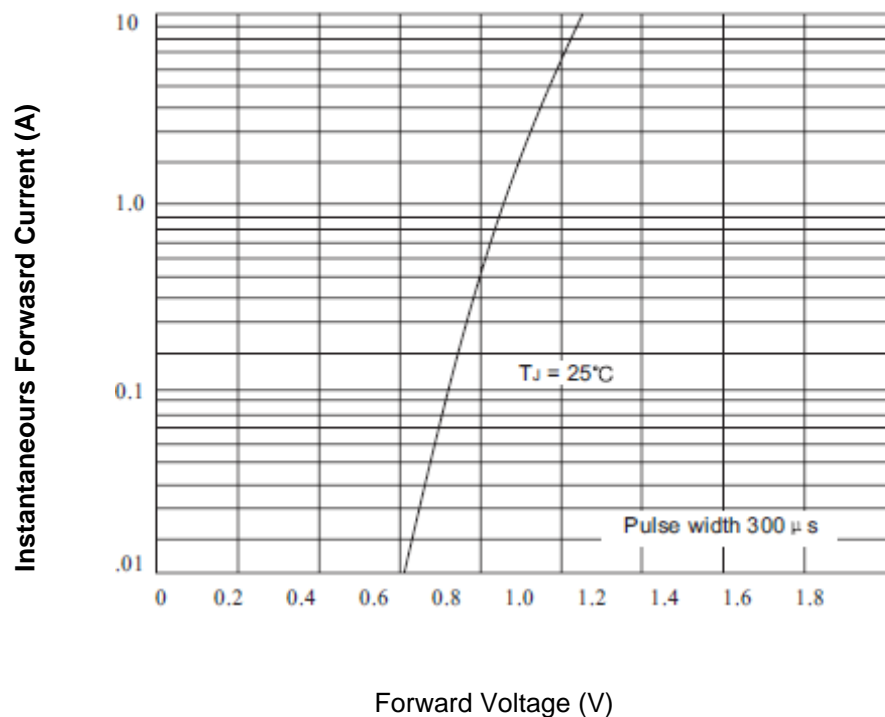
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.	2 from 5	

# EDCON-COMPONENTS

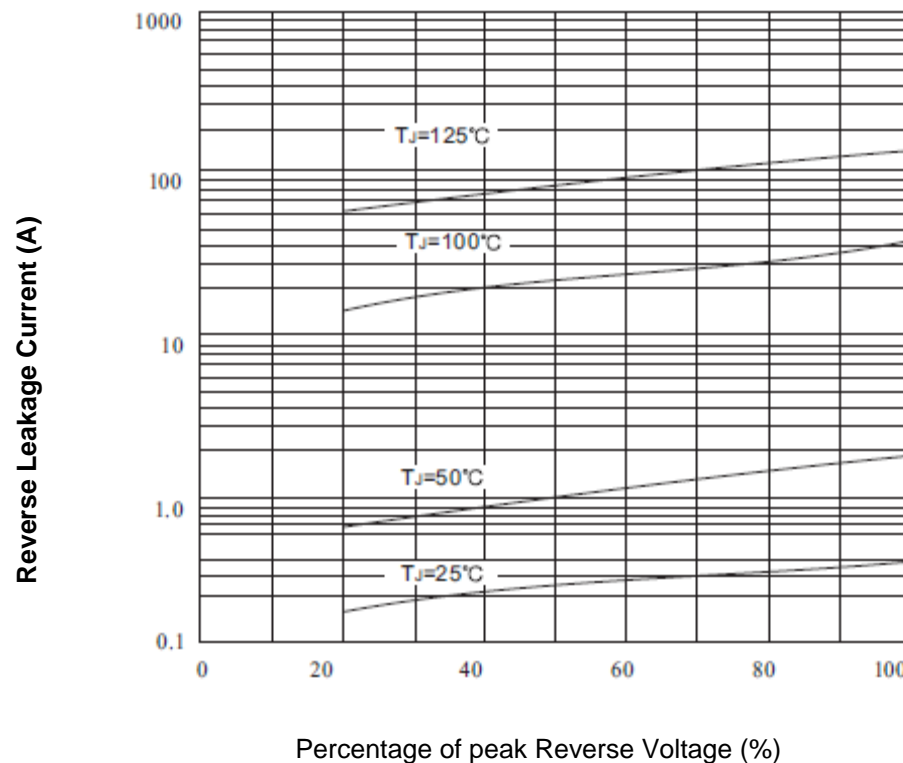


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



Typical Reverse Characteristics

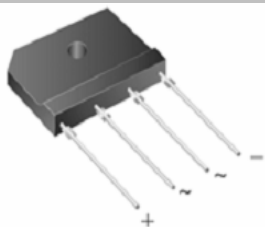


**Single Inline Bridge Rectifier  
10A (Glass Passivated)**

EDCON-Ser.	<b>E14023</b>
International Serie:	<b>GBJ10xxG</b>

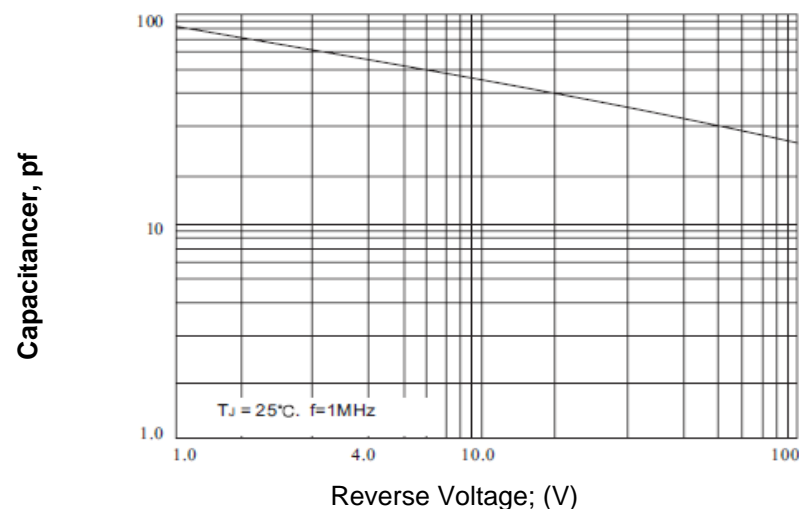
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.	3 from 5	

# EDCON-COMPONENTS



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

Forward Current Derating Curve



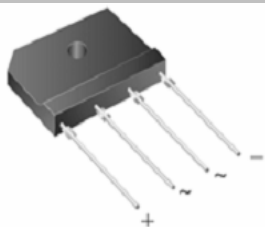
## Ordering Informations

EDCON Serie	International Type	Lead Information	ROHS	Package					
<b>E14023</b>	<b>GBJ10xxG</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>L7</b> = Lead Length 7mm	<b>N</b> = NON ROHS Conform	

<b>Single Inline Bridge Rectifier 10A (Glass Passivated)</b>	
EDCON-Ser.	<b>E14023</b>
International Serie:	<b>GBJ10xxG</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 10A (Glass Passivated)</b>	
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APPD:	Schumi			FINISH	Jamy		Sheet No.	5 from 5	