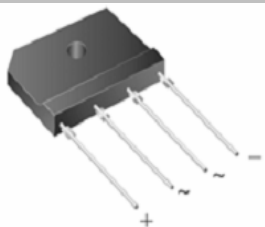


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Specifications

Features

Plastic package has Underwriters Laboratory Flammability Class 94V-0
 High Surge current capability / UL-File number 252843
 High temperature soldering guaranteed:

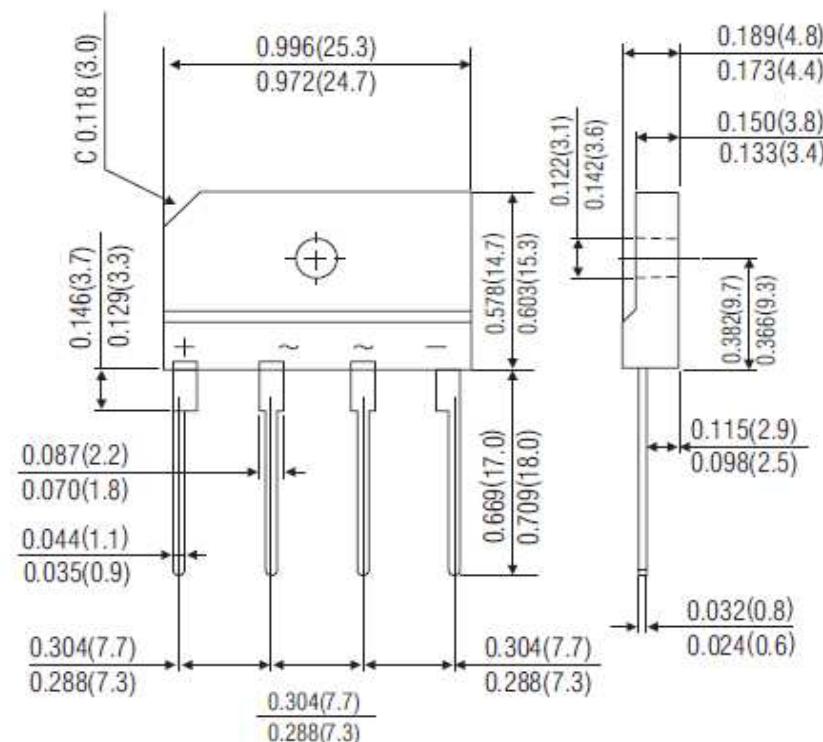
Mechanical Data

Reliable low cost construction utilizing molded plastic technique
 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	GBJ 4005G	GBJ 401G	GBJ 402G	GBJ 404G	GBJ 406G	GBJ 408G	GBJ 410G	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=50°C	I(AV)	4,0 / 2,4							Amps
Peak forward surge current 8,3ms single half sine-wave	IFSM	150							Amps
Maximum forward voltage IF=1,5A	VF	1,1							Volt
Maximum revese voltage TA=25°C	IR	5,0							µA
Maximum revese voltage TA=100°C	IR	500							µA
Operating and storage temperature range	TJ TSTG	-55°C to + 150°C							°C

Technical Drawing (Unit: inch(mm))



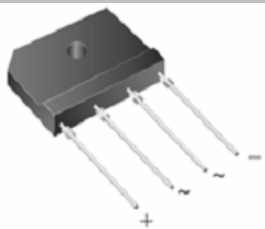
**Single Inline Bridge Rectifier
 4,0A (Glass Passivated)**

EDCON-Ser. **E14008**

International Serie: **GBJ4xx**

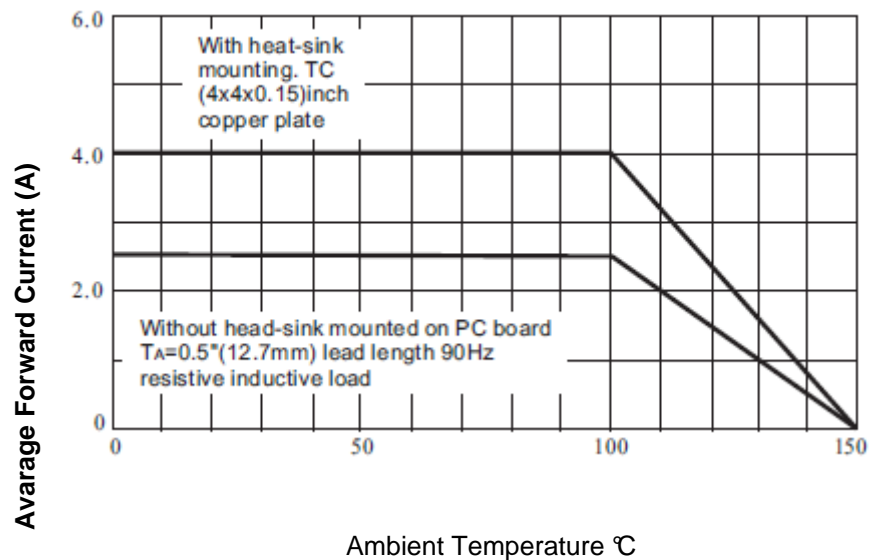
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 5

EDCON-COMPONENTS

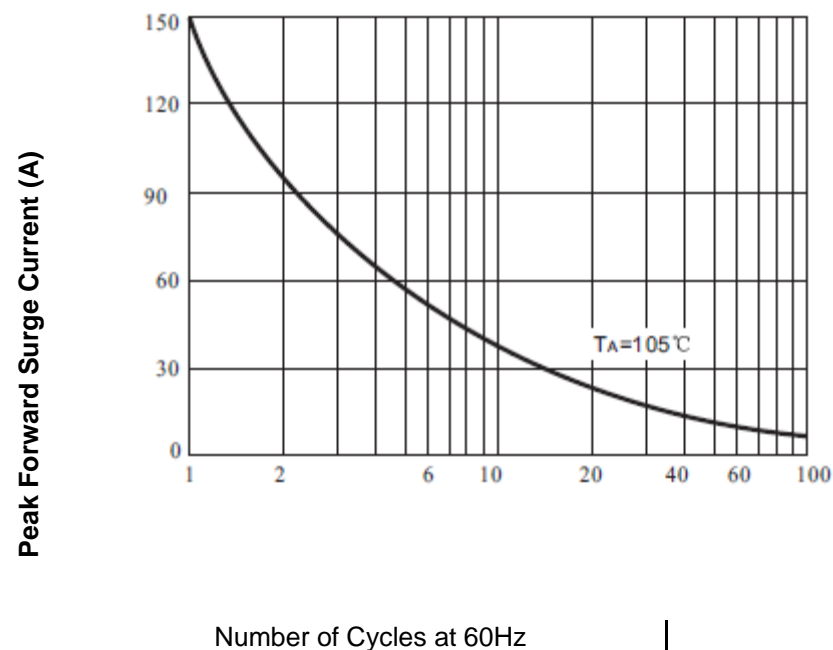


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Current Characteristics Derating Curve



Maximum NON Repetitive Forward Surge Current



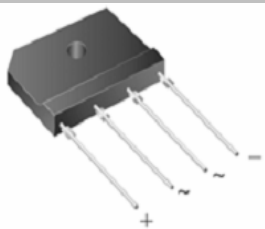
Single Inline Bridge Rectifier
4,0A (Glass Passivated)

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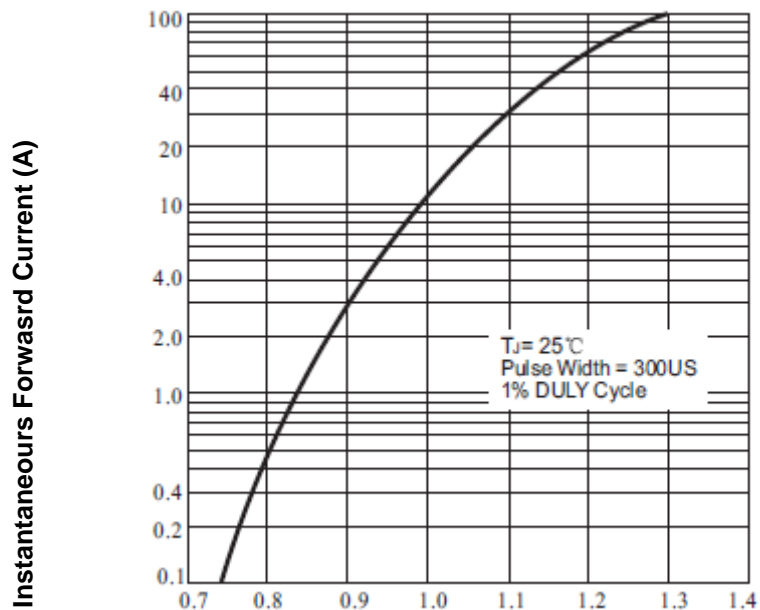
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.	2 from 5	

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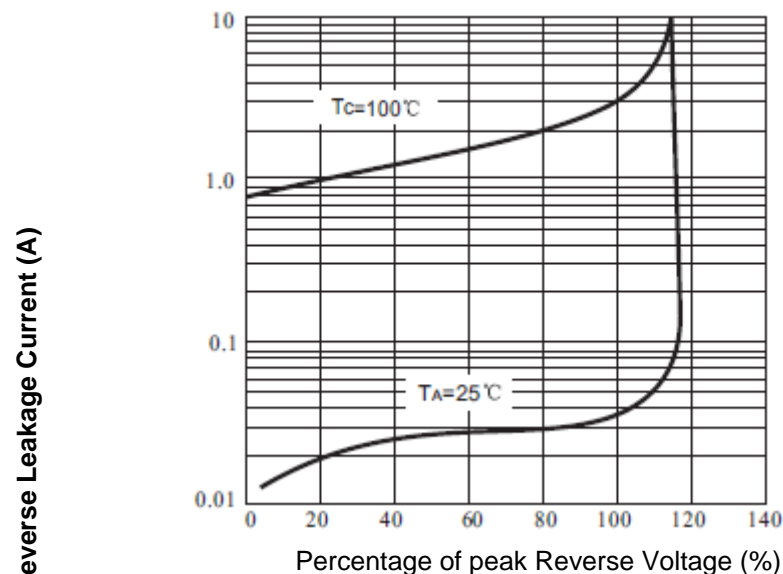


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



Typical Reverse Characteristics



Forward Voltage (V)

**Single Inline Bridge Rectifier
4,0A (Glass Passivated)**

EDCON-Ser. **E14008**

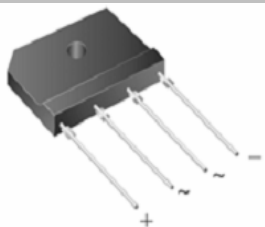
International Serie: **GBJ4xx**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
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email: info@edcon-components.com

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

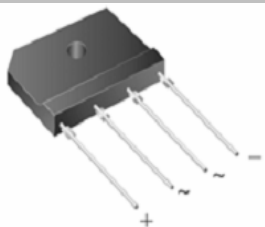
Ordering Informations

EDCON Serie	International Type	Lead Information	ROHS	Package						
E14008	GBJxx	LL	R	BX						

Look Voltage Code Table	LL = Long Lead	R = ROHS Conform	BX = Box
	L7 = Lead Length 7mm	N = NON ROHS Conform	

Single Inline Bridge Rectifier 4,0A (Glass Passivated)	
EDCON-Ser.	E14008
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DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
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Soldering Profile Curve

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



Single Inline Bridge Rectifier 4,0A (Glass Passivated)	
EDCON-Ser.	E14008
International Serie:	GBJ4xx

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