

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
- Glass passivated chip junctions
- High surge current capability

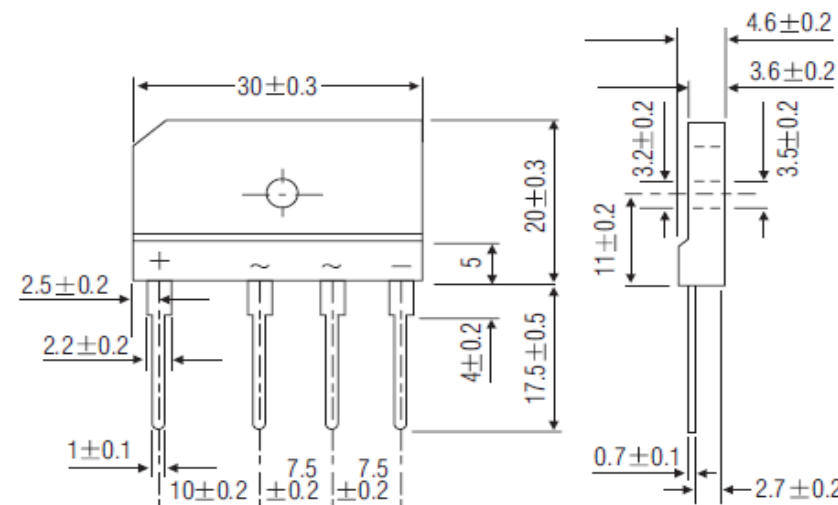
Mechanical Data

- 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 25005G	GBJ 2501G	GBJ 2502G	GBJ 2504G	GBJ 2506G	GBJ 2508G	GBJ 2510G	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)	25,0							Amps
Peak forward surge current 8,3ms single half sine-wave	IFSM	350							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
25A (Glass Passivated)**

EDCON-Ser. **E14028**

International Serie: **GBJ25xxG**

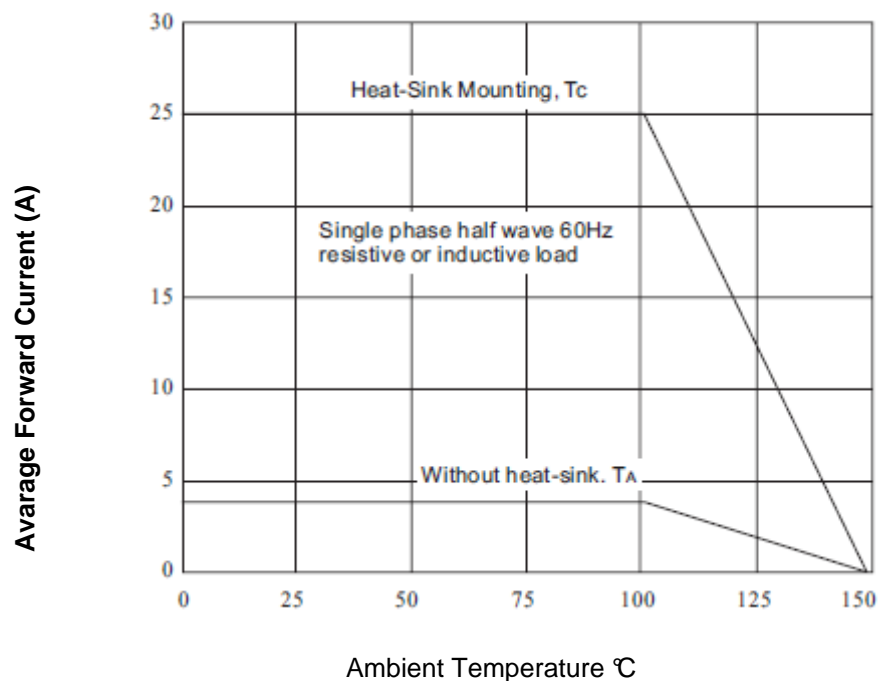
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 5

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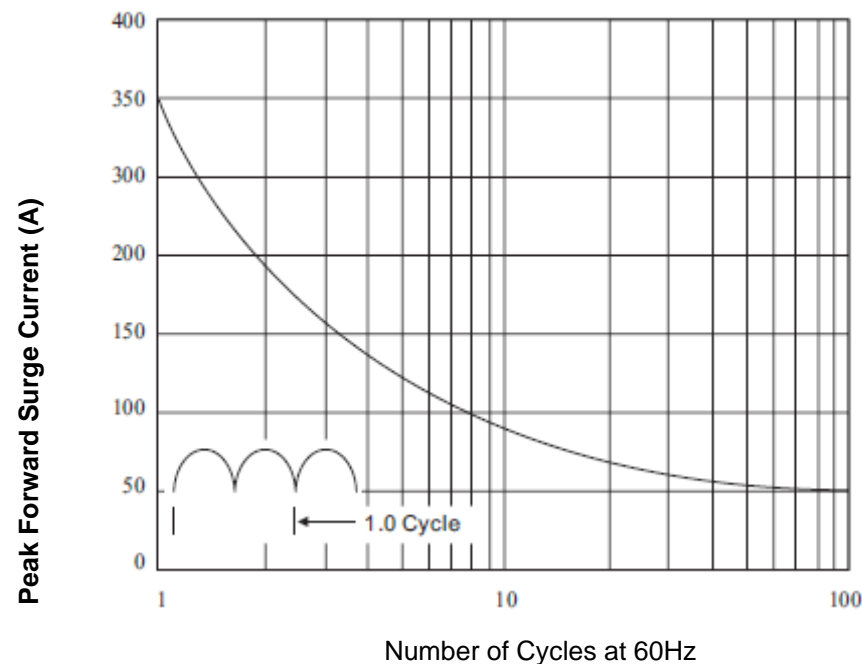


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Current Characteristics Derating Curve



Maximum NON Repetitive Forward Surge Current



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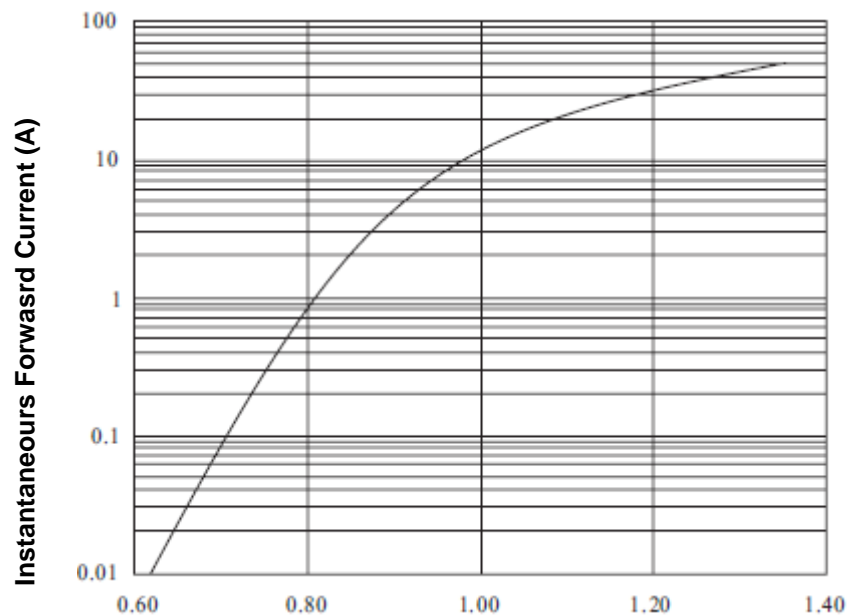
email: info@edcon-components.com

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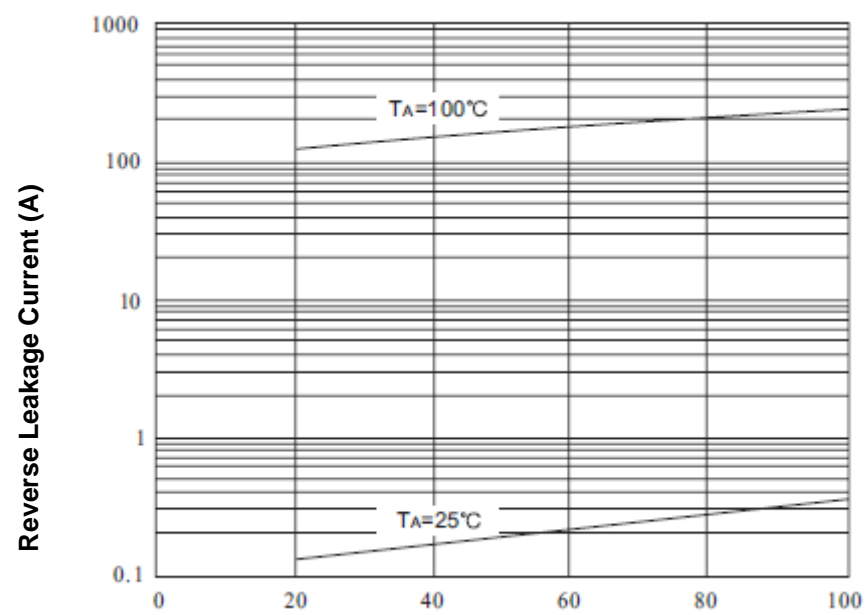
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Typical Forward Characteristics per Leg



Forward Voltage (V)

Typical Reverse Characteristics per Leg



Percentage of peak Reverse Voltage (%)

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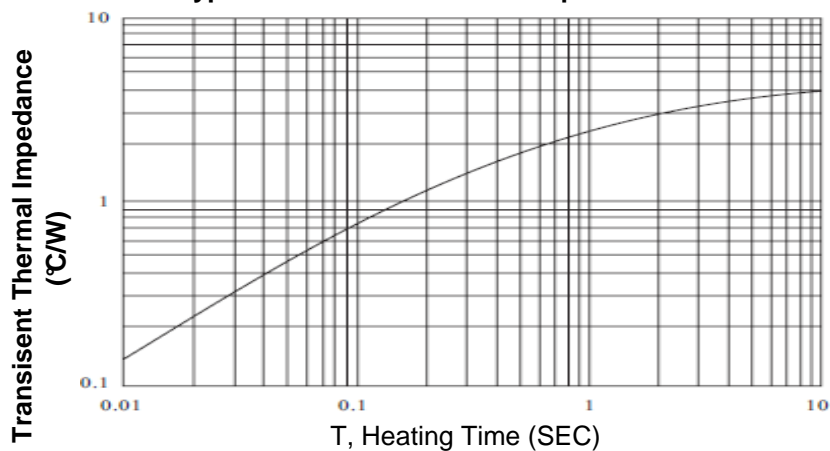
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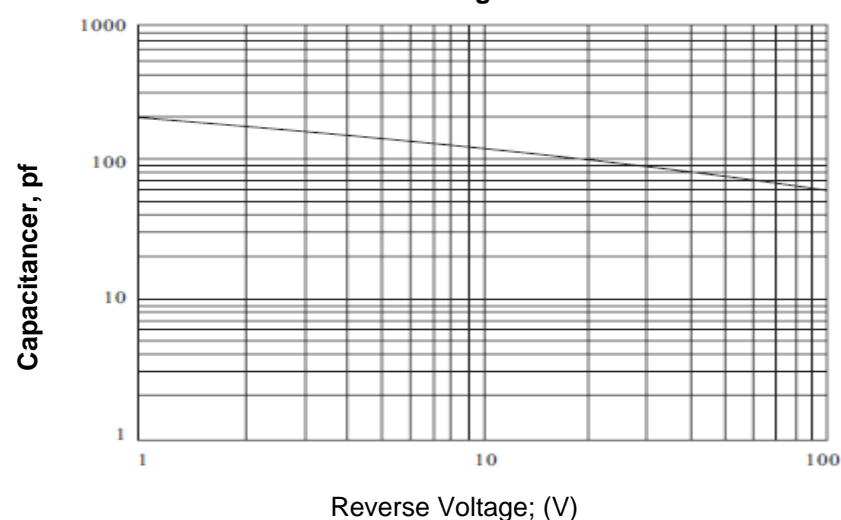


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Transient Thermal Impedance



Forward Current Derating Curve



Ordering Informations

EDCON Serie	International Type	Lead Information	ROHS	Package					
E14028	GBJ25xxG	LL	R	BX					

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

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Soldering Profile Curve

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



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