

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

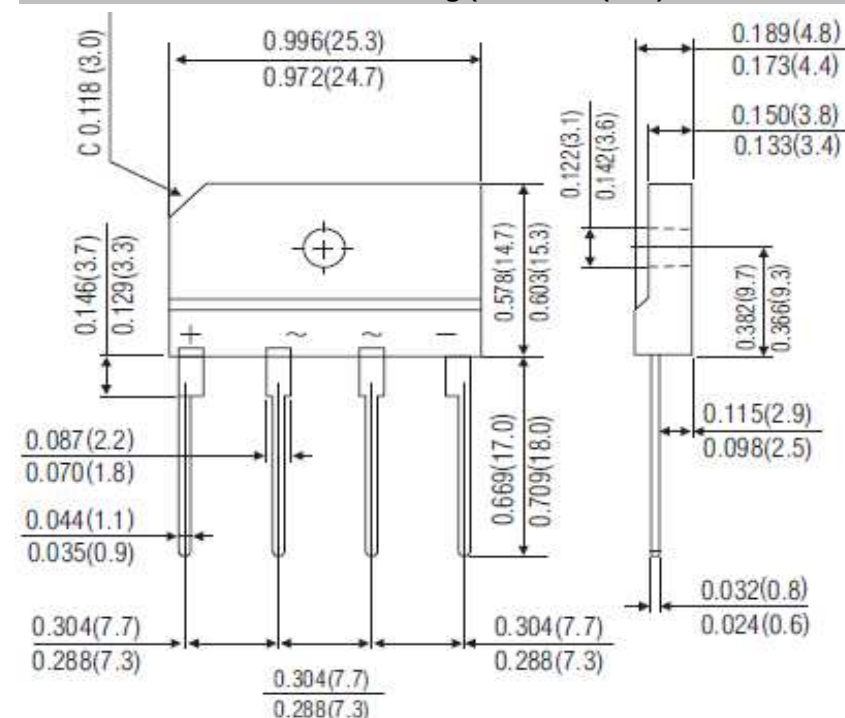
Mechanical Data

Case: 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 6005G	GBJ 601G	GBJ 602G	GBJ 604G	GBJ 606G	GBJ 608G	GBJ 610G	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							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

Technical Drawing (Unit: inch(mm))



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

EDCON-Ser. **E14016**

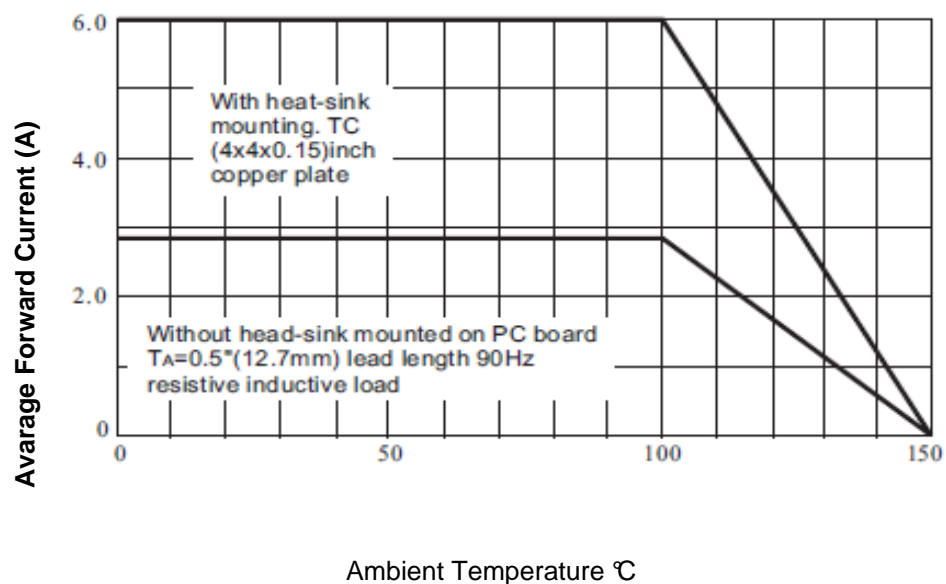
International Serie: **GBJ6xxG**

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

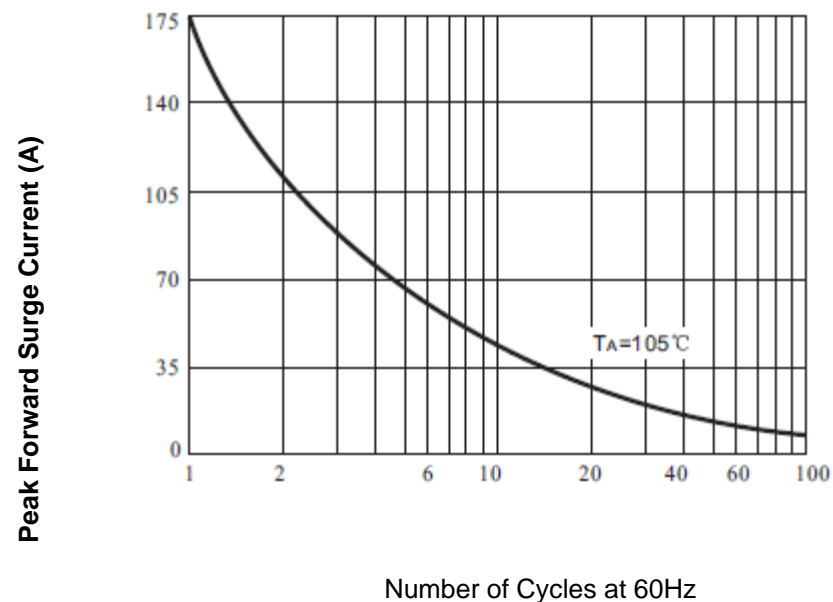


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Current Characteristics Derating Curve



Maximum NON Repetitive Forward Surge Current



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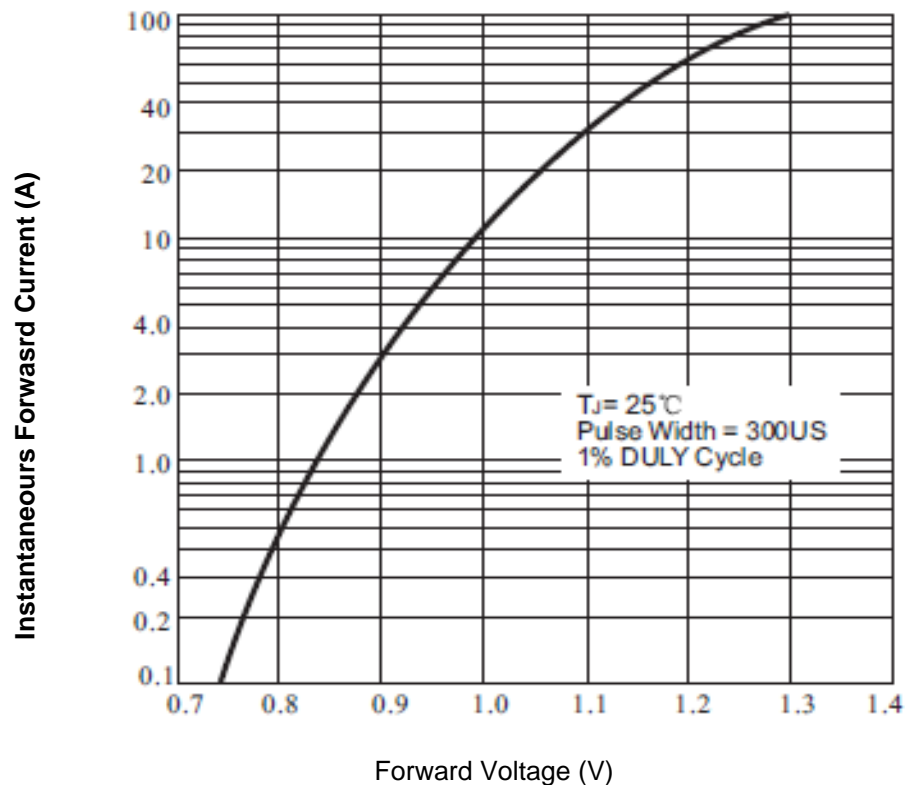
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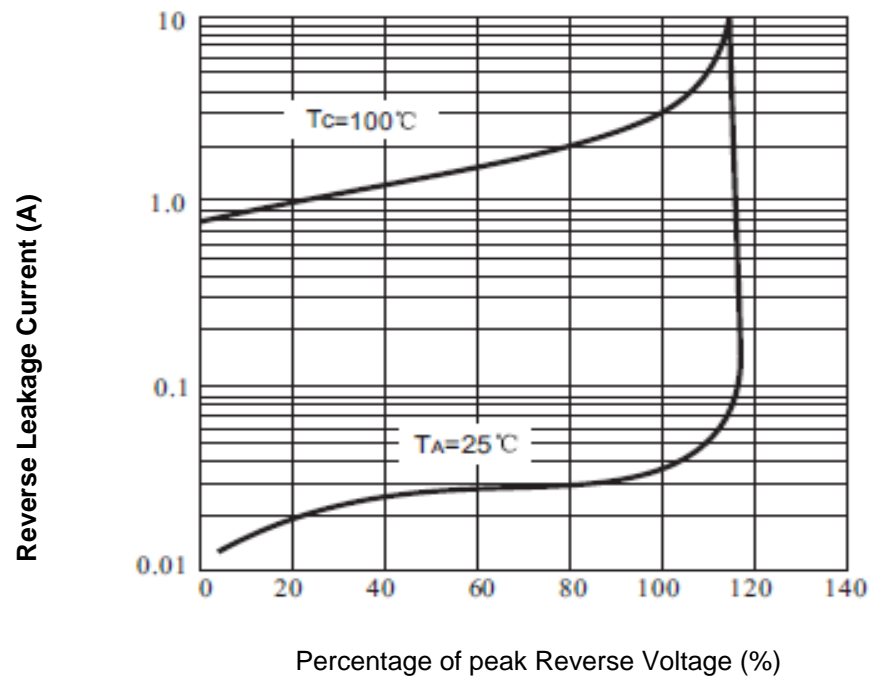


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



Typical Reverse Characteristics



Single Inline Bridge Rectifier 6,0A (Glass Passivated)	
EDCON-Ser.	E14016
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EDCON-COMPONENTS



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

Ordering Informations

EDCON Serie	International Type	Lead Information	ROHS	Package					
E14016	GBJ6xxG	LL	R	BX					

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

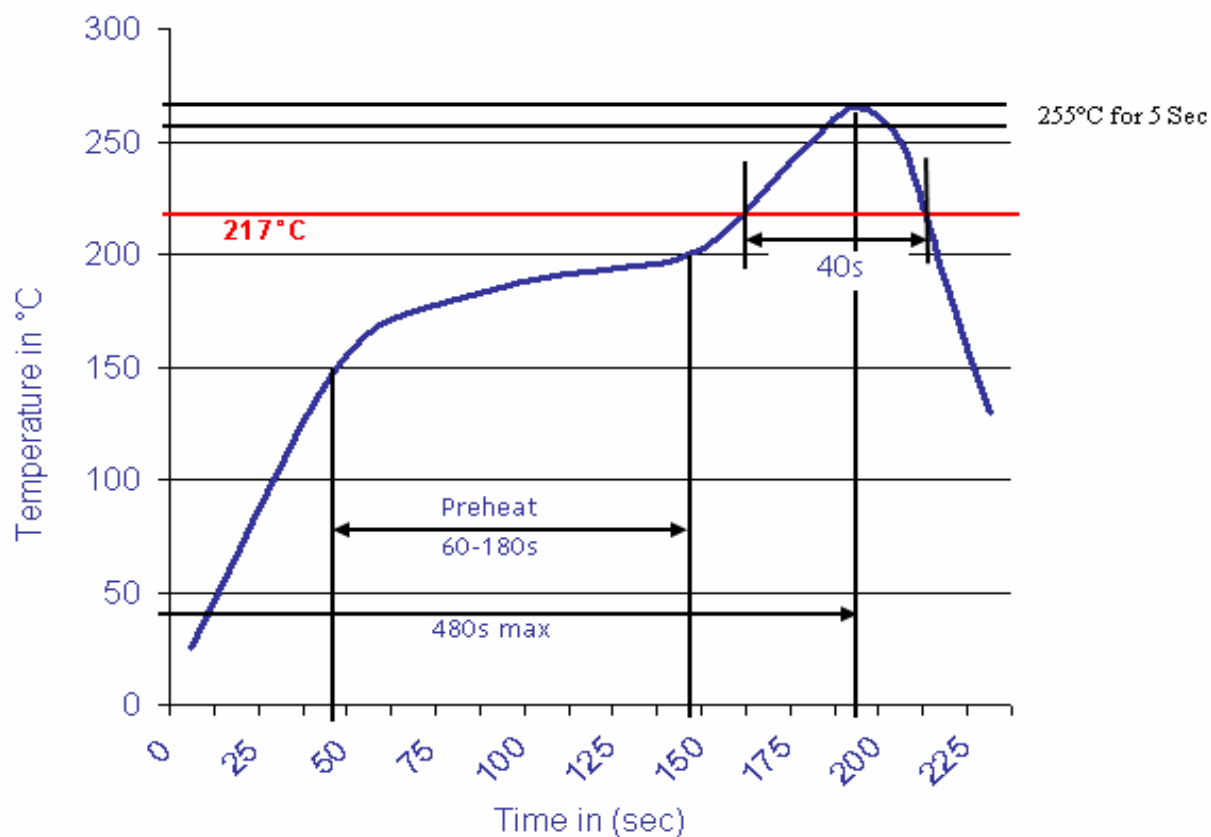
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Soldering Profile Curve

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



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