EDCON-COMPONENTS

Specifications

Features

Glass passivated die construction
Plastic Material used carries UL flammability recognition 94V-0
High surge current capability
High case dielectric strength of 1500V rms

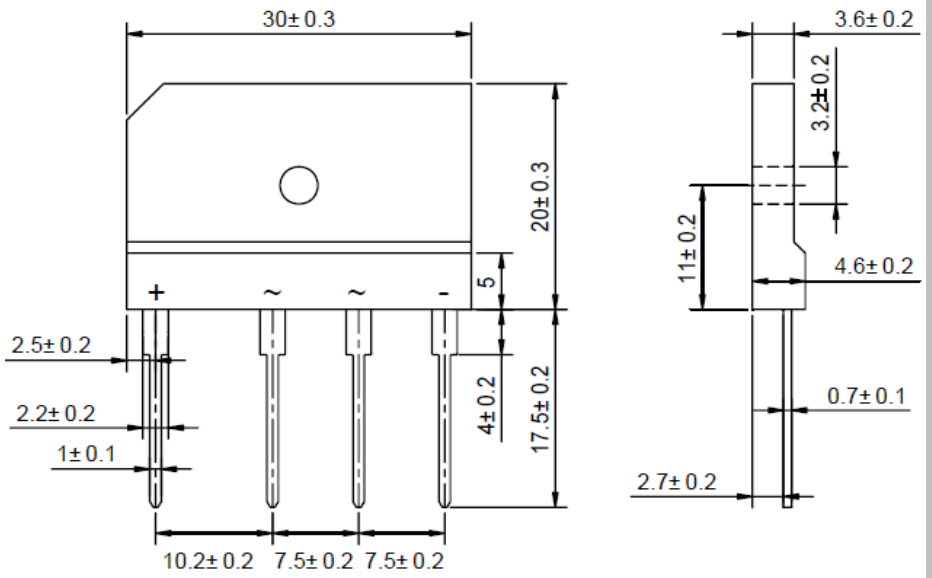
Mechanical Data

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

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

	Symbols	GBJ 35D	GBJ 35G	GBJ 35J	GBJ 35K	GBJ 35M			Unit
Maximum reecurrent peak reverse Voltage	VRRM	200	400	600	800	1000			Volt
Maximum rms Input voltage	VRMS	140	280	420	560	700			Volt
Maximum dc blocking Voltage	VDC	200	400	600	800	1000			Volt
Maximum average forward output rectified TA=50°C	I(AV)	35,0							Amps
Peak forward surge current 8,3ms single half sine-wave	IFSM	400							Amps
Rating for dusing (t<8,3ms)	I²t	660							A²sec
Maximum Thermal resistance per led (1)	RoJA	1,0							°C/W
	RoJC	0,8							
Operation Junction and storage temp.ran	Tj, Tstg	. -55°C ~ + 150°C							°C
Maximum Instantaneous Forward Voltage per Leg	Vf	1,1							Ifm=4
Maximum DC reverse current at rated DC blocking voltage per leg	Ir	5,0µA							T=25°C
		500µA							T=125°C

Technical Drawing (Unit: inch(mm))



Note (1) Junction to ambient without heatsink (2) Junction to case with heatsink (3) Recommended mounting position is to bolt down on heatsink with silicone thermal compound for maximum heat transfer with M6 screw.

Single Inline Bridge Rectifier 35A (Glass Passivated)

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010	EDCON-Ser.	**E14031**
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 5	International Serie:	**GBJ35x**

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

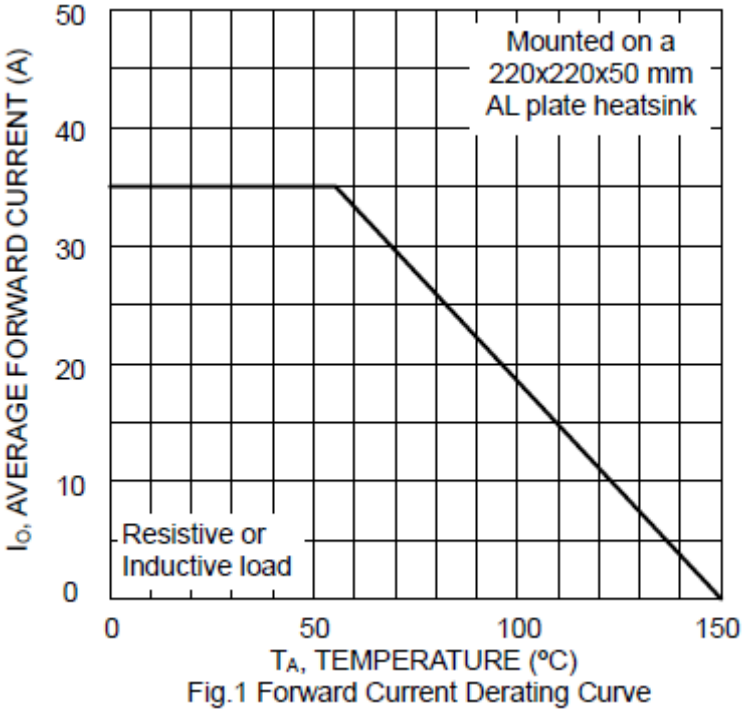


Fig.1 Forward Current Derating Curve

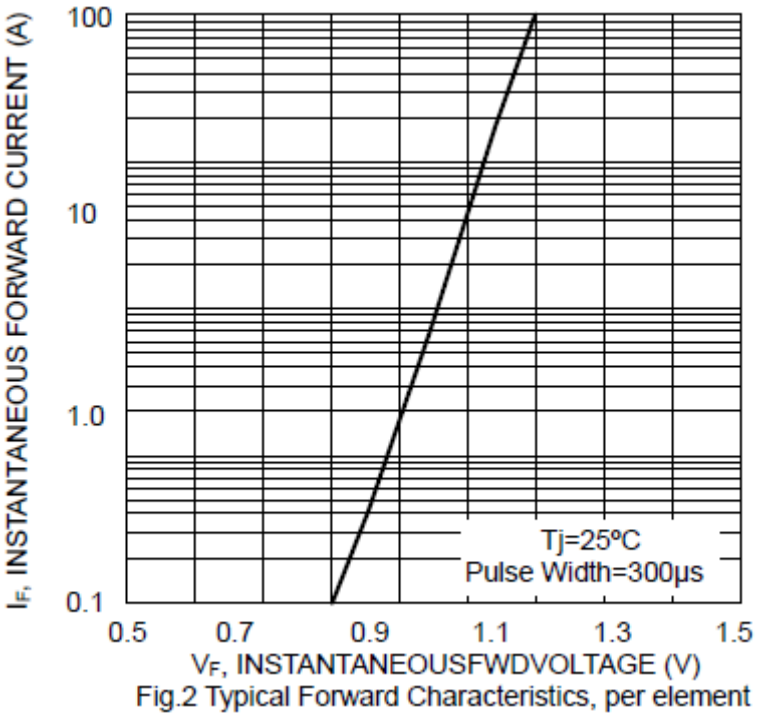


Fig.2 Typical Forward Characteristics, per element

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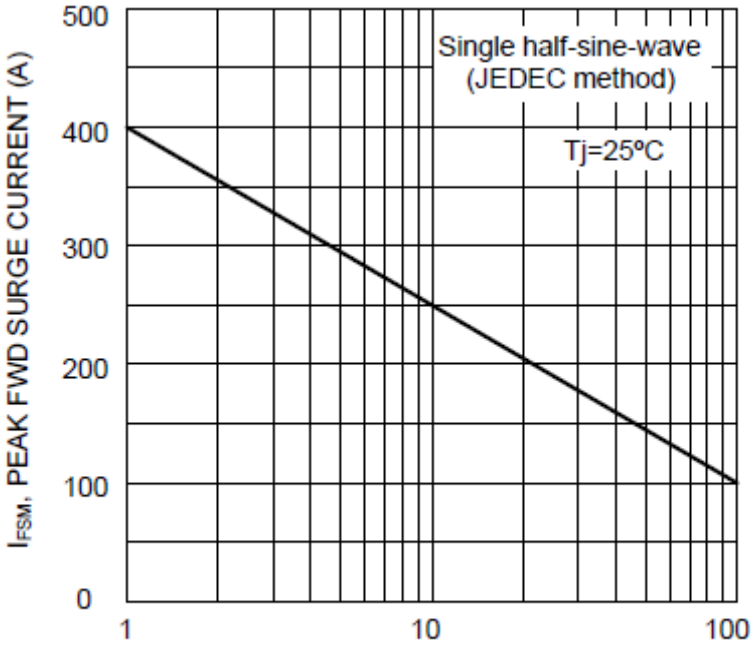

Fig.3 Max Non-Repetitive Surge Current

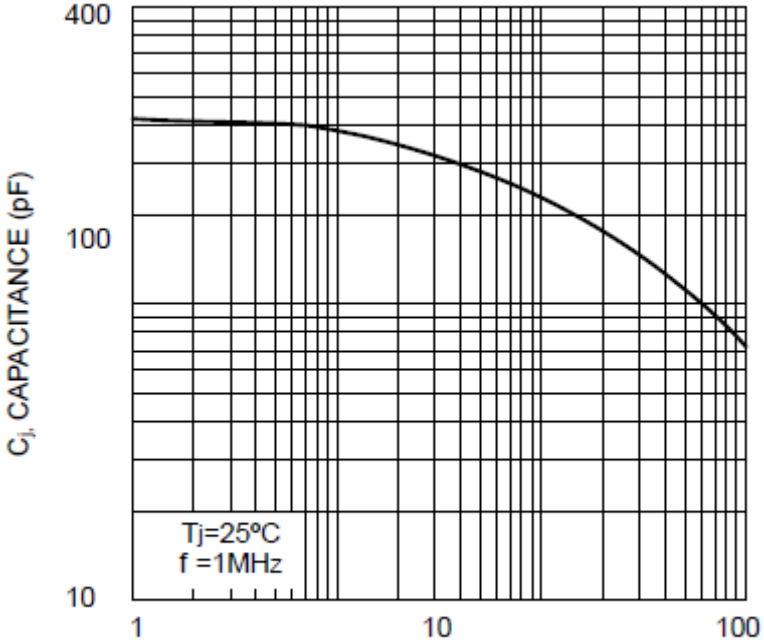

Fig.4 Typical Junction Capacitance per Element

										Single Inline Bridge Rectifier 35A (Glass Passivated)	
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APPD:	Schumi			FINISH	Jamy		Sheet No.		3 from 5		

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

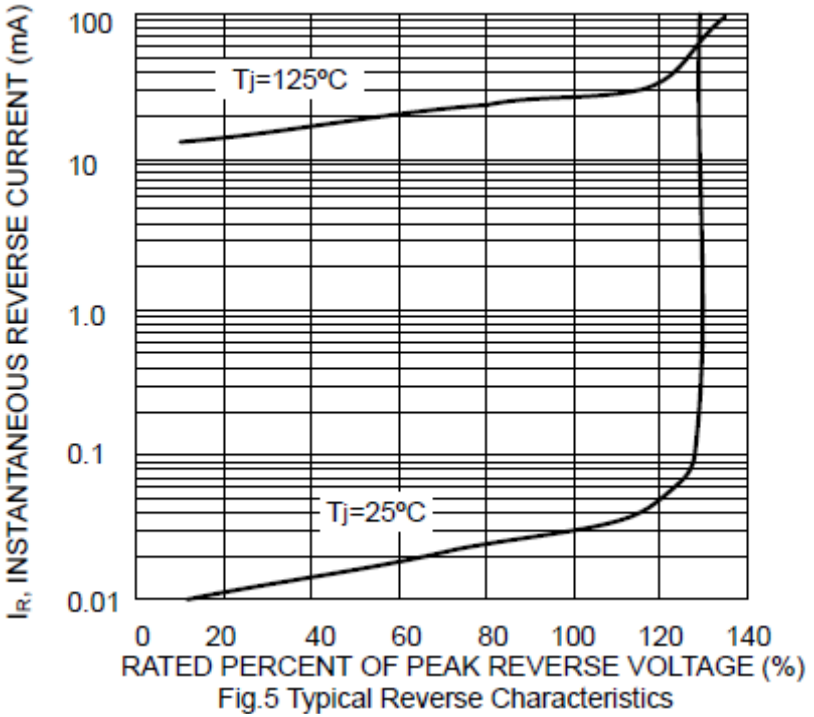

Fig.5 Typical Reverse Characteristics

Ordering Informations

EDCON Serie	International Type	Lead function	ROHS	Package
E14031	**GBJ35x**	**LL**	**R**	**TU**

Look Voltage Code Table	**LL=** Long Lead	**R**= ROHS Conform	**TU**= Tube Packing
	L4= Lead Length 4mm	**N**= NON ROHS Conform	

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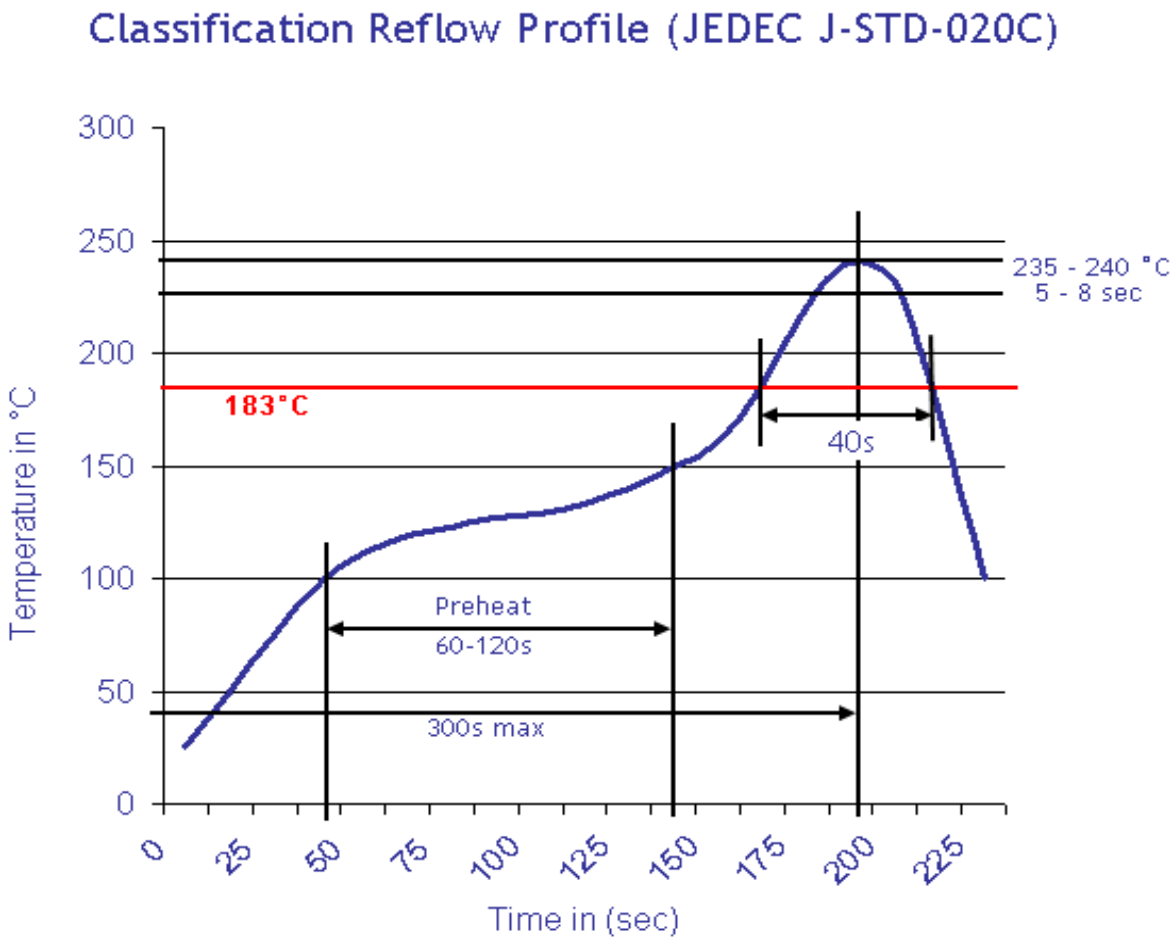
Soldering Profile Curve



Single Inline Bridge Rectifier 35A (Glass Passivated)

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