

EDCON-COMPONENTS



Specifications

Features

Diffused Junction
Low Forward Voltage Drop
High Current Capability
High Surge Current Capability

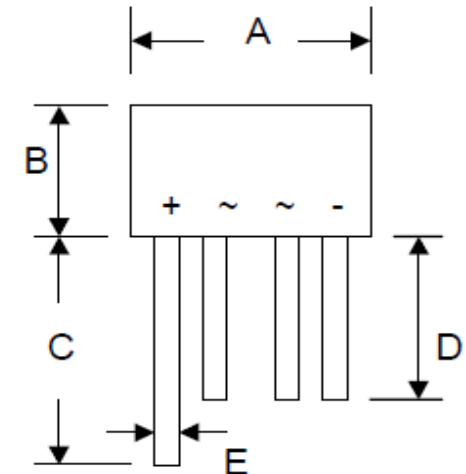
Mechanical Data

Molded plastic
Terminals: plated leads solderable per MIL-STD 202 Method 208
Polarity symbols marked on body.
Weight 0,22gram

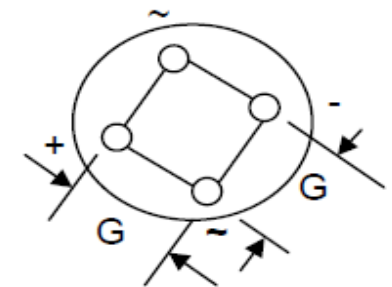
Maximum Ratings & Electrical Characteristics Ratings at 25°C ambient temperature

	Sym bols	B40 C1000	B80 C1000	B125 C1000	B250 C1000	B380 C1000	B500 C1000		Unit
Maximum reecurrent peak reverse Voltage	VRRM	100	200	300	600	900	1200		Volt
Maximum rms Input voltage	VRMS	40	80	125	250	380	500		Volt
Maximum average forward rectified current		1							Amps
Peak forward surge current, 8,3mS single half sine wave superimposed on rated load		45							Amps
Max. forward voltage drop p. elem. At 1,0A peak		1,0							Volts
Maximum DC reverse current at rated DC blocking voltage per element T=25°C / T=100°C		5,0 500,0							µA pf
Operating Temperature		-55°C ~ +125°C							°C
Storage Temperature		-55°C ~ +150°C							°C
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Technical Drawing (Unit: inch(mm))



	Dimensions	
	mm	
	min	max.
A	8,6	9,1
B	5,0	5,5
C	27,9	
D	25,4	
E	0,71	0,81
G	4,6	5,6



Round Bridge Rectifier 1,0A

EDCON-Ser.	E21009
International Serie:	BxxC1000

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

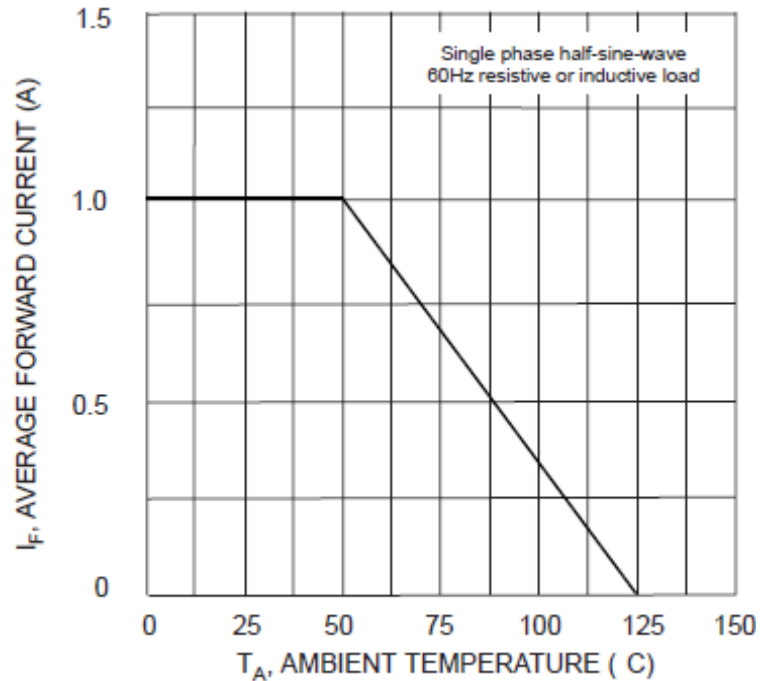


Fig. 1 Forward Current Derating Curve

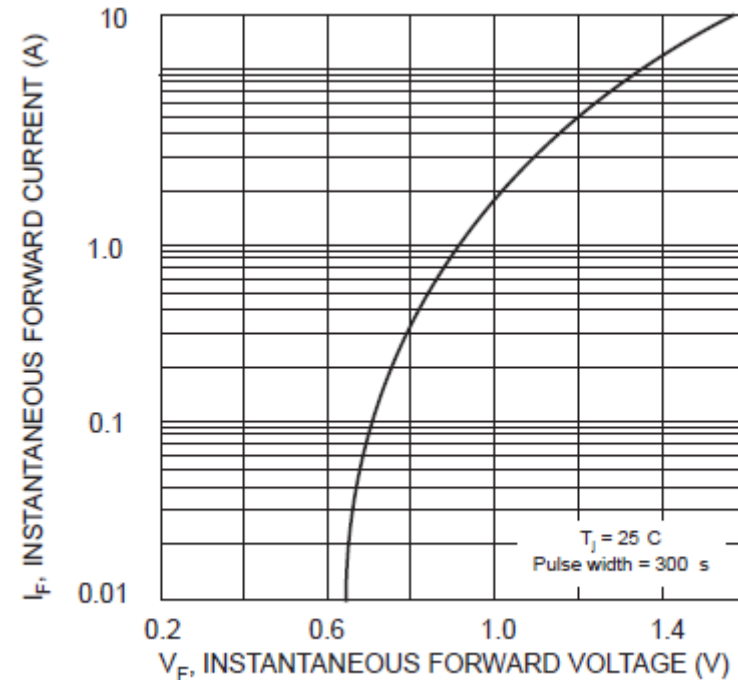


Fig. 2 Typical Forward Characteristics, per element

Round Bridge Rectifier 1,0A

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

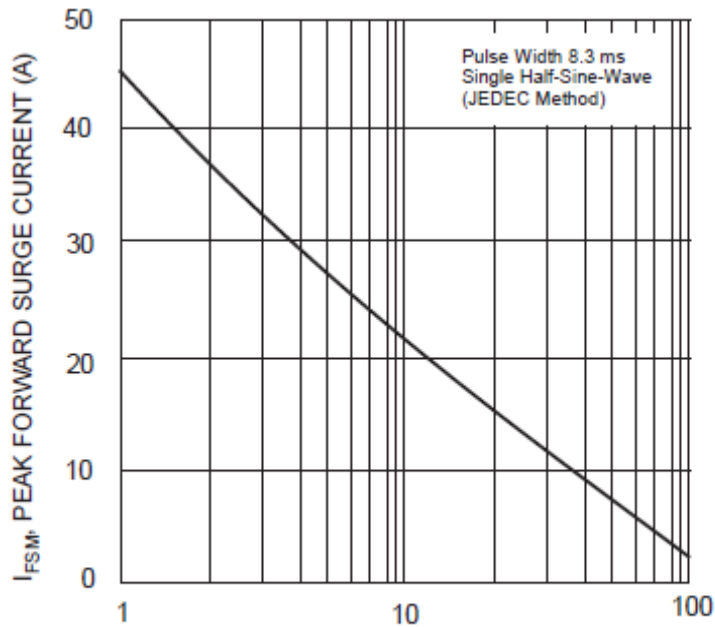


Fig. 3 Max Non-Repetitive Surge Current

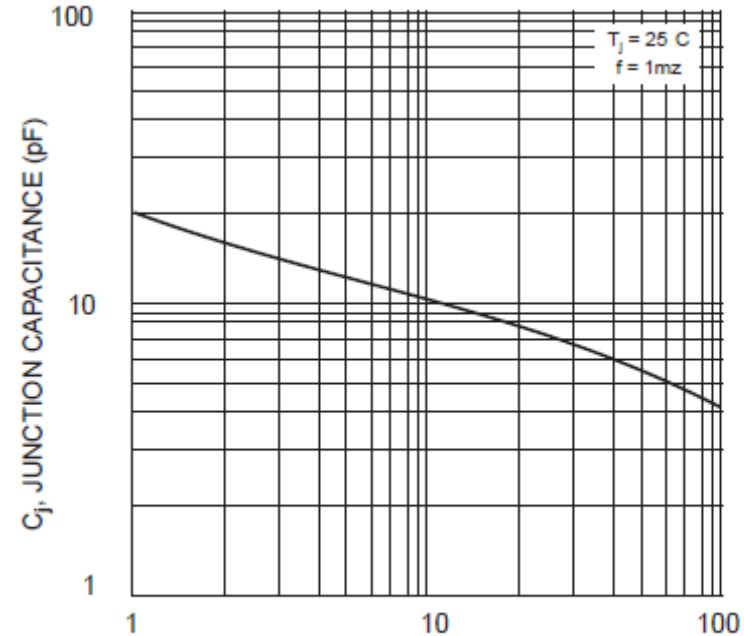


Fig. 4 Typical Junction Capacitance

Round Bridge Rectifier 1,0A

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Ordering Informations

EDCON Serie	International Type	Lead function	ROHS	Package						
E21009	BxxC1000	LL	R	BG						

Look Voltage Code Table	LL = Long Lead	R = ROHS Conform	BG = Polybag
	L4 = Lead Length 4mm	N = NON ROHS Conform	

Round Bridge Rectifier 1,0A

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International Series: **BxxC1000**

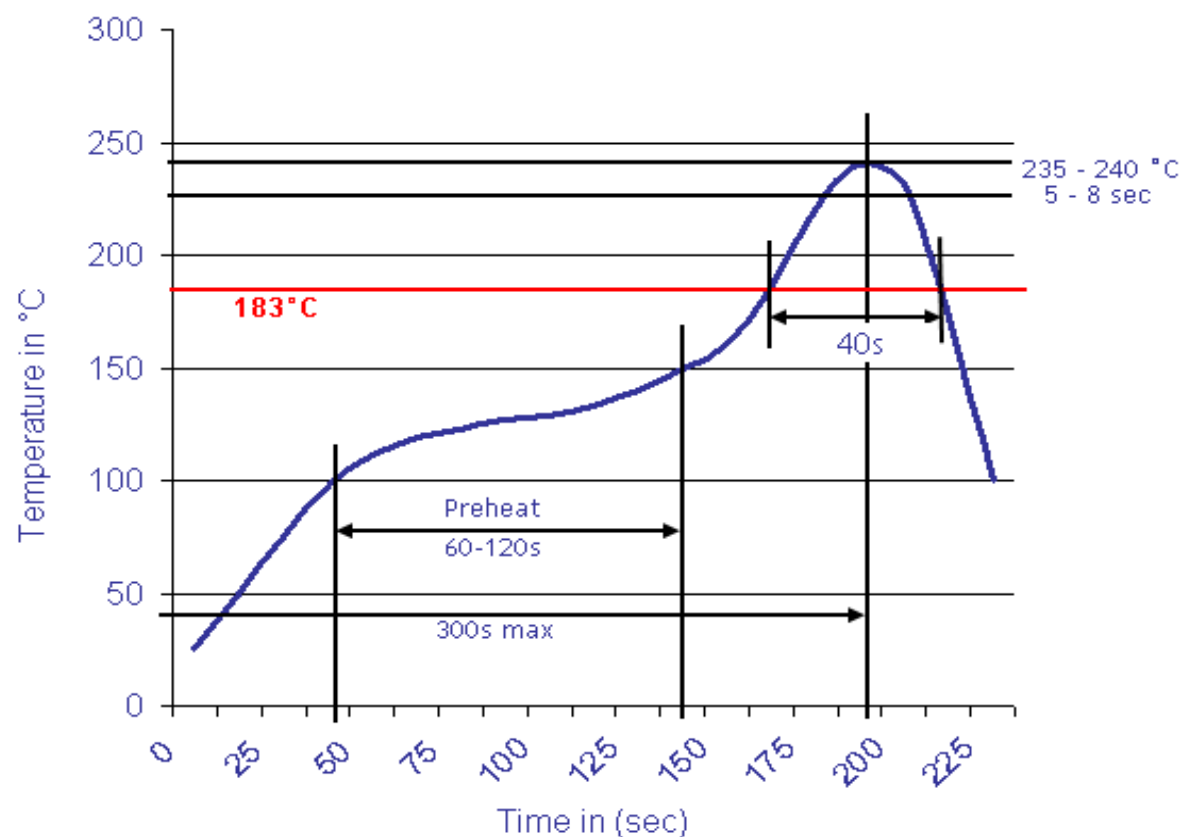
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Soldering Profile Curve

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



Round Bridge Rectifier 1,0A

EDCON-Ser. **E21009**International
Serie: **BxxC1000**

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