

EDCON-COMPONENTS



Specifications

Features

- Surge overload rating - 50 amperes peak
- Idela for printed circuit board
- Reliable low cost construction utilizing molded plastic techniques results in inexpensive products

Mechanical Data

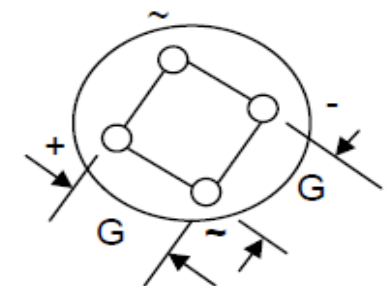
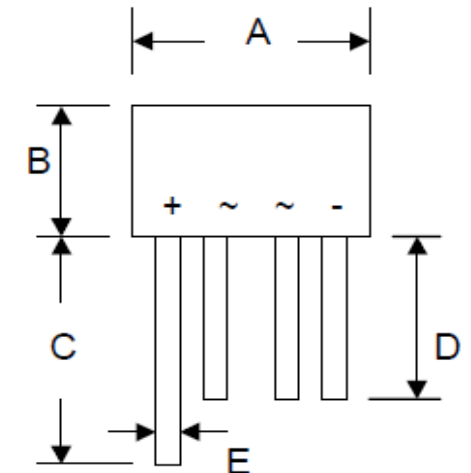
- Molded plastic body
- Terminals: plated leads solderable per MIL-STD 202 Method 208
- Polarity symbols marked on body.
- Weight 1,1gram

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

	Sym bols	W005	W01	W02	W04	W06	W08	W10	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 rectified current		1,5							Amps
Peak forward surge current, 8,3mS single half sine wave superimposed on rated load		50							Amps
Forward Voltage (per element)		1,0							V
Peak Reverse Current at Rated DC Blocking Voltage ta=25°C Ta=100°C		10,0							µA
		1000,0							µA
Operating Temperature		. -55°C ~ +125°C							°C
Storage Temperature		. -55°C ~ +150°C							°C

	Dimensions	
	mm	
	min	max.
A	9	10
B	6,7	7,75
C	30,5	
D	32,3	
E	4,6	5,6
G	0,71	0,81

Technical Drawing (Unit: inch(mm))



Round Bridge Rectifier 1,5A

EDCON-Ser.	E21002
International Serie:	Wxx

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)

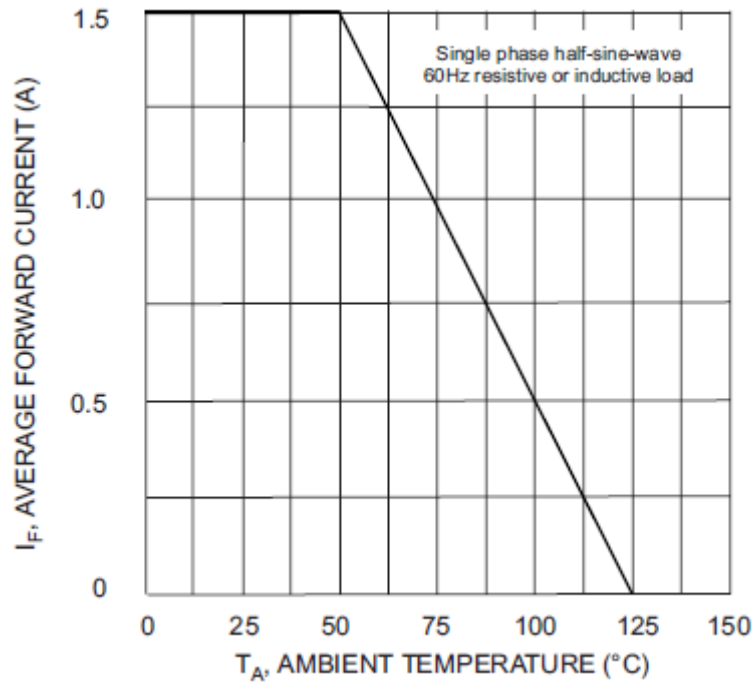


Fig. 1 Forward Current Derating Curve

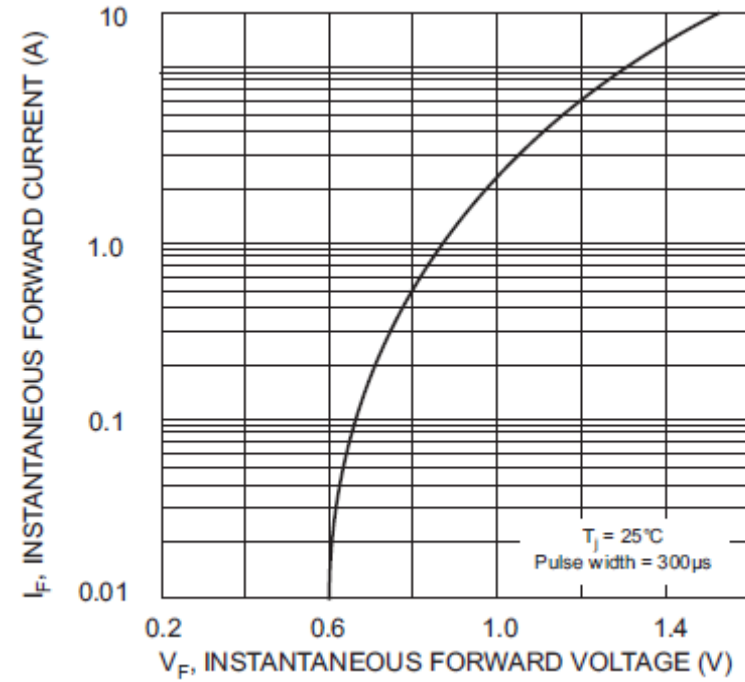


Fig. 2 Typical Forward Characteristics, per element

Round Bridge Rectifier 1,5A

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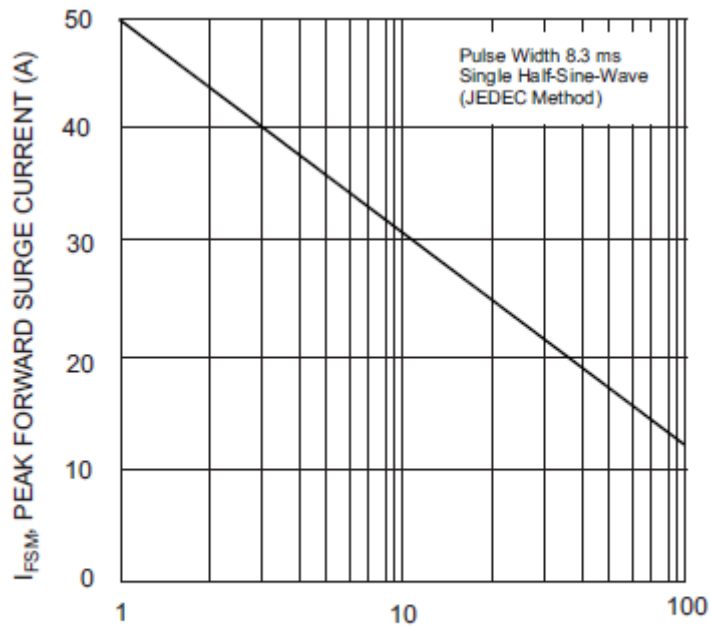


Fig. 3 Max Non-Repetitive Surge Current

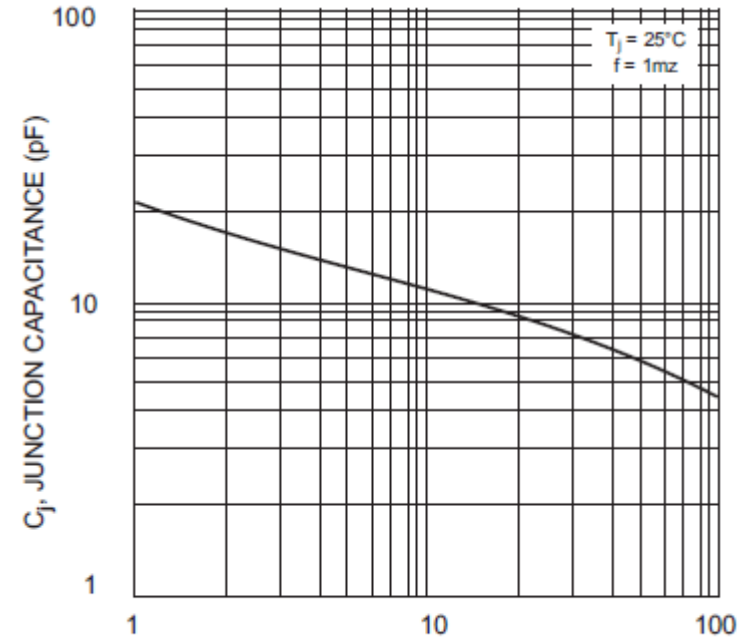


Fig. 4 Typical Junction Capacitance

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Ordering Informations

EDCON Serie	International Type	Lead function	ROHS	Package						
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E21002	Wxx	LL	R	BG						
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Look Voltage Code Table	LL = Long Lead	R = ROHS Conform	BG = Polybag
	L4 = Lead Length 4mm	N = NON ROHS Conform	

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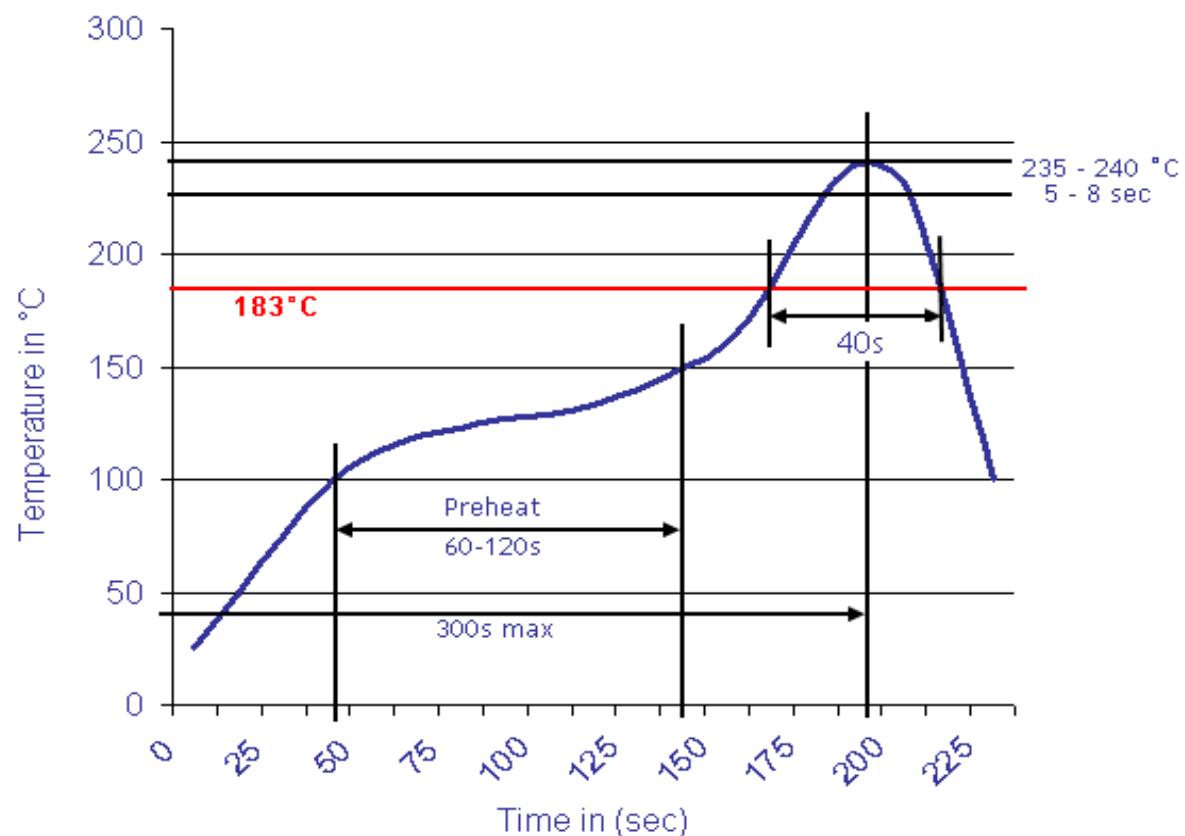
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Soldering Profile Curve

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



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Serie: **Wxx**

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