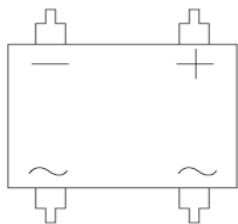


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Specifications

Features

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- High surge current capability
- UL-File number: E252843
- High temperature soldering guaranteed 250°C / 10sec

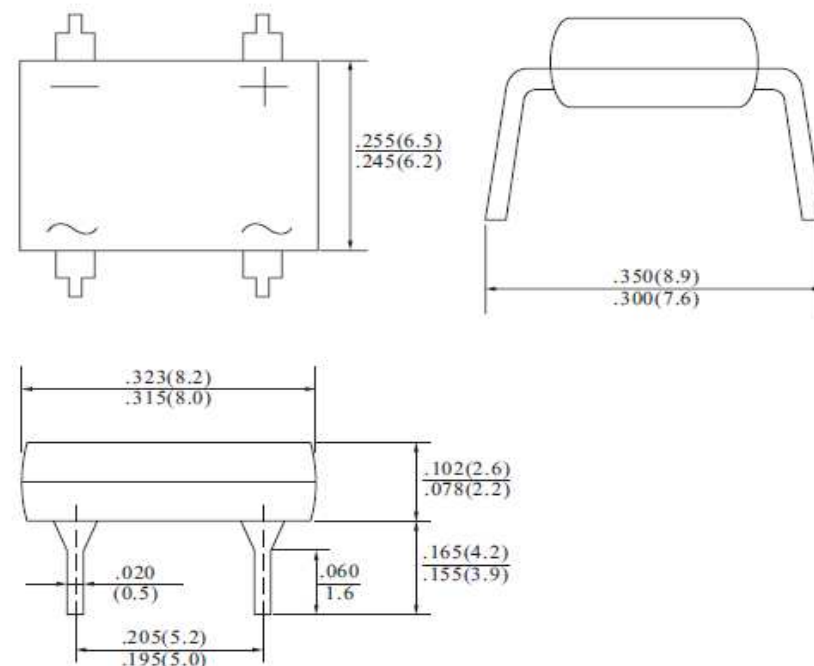
Mechanical Data

- Molded plastic body over passivated junctions Terminals plated leads solderable per MIL-STD-750 Method 2026
- Polarity symbols marked on body
- Weight 0,34gramm

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

	SYMBOLS	DB	DB	DB	DB	DB	DB	DB	UNITS
		101	102	103	104	105	106	107	
		DF	DF	DF	DF	DF	DF	DF	
		005	01	02	04	06	08	10	
Maximum repetitive peak reverse voltage	VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS voltage	VRMS	35	70	140	280	420	560	700	Volts
Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	Volts
Maximum average forward output rectified $T_A=40^\circ\text{C}$	I(AV)	1.0							Amp
Pack forward surge current 8.3ms single half sine-wav	IFSM	50							Amps
Maximum forward voltage @IF=2.0A	VF	1.1							Volts
Maximum reverse voltage $T_A=25^\circ\text{C}$ $T_A=125^\circ\text{C}$	IR	5.0 500							uA
Typ junction capacitance VR=4.0V f=1.0MHz	CJ	150.0							pF
Operating junction and storage temperature range	TJ.TSTG	-55 to +150							°C

Technical Drawing (Unit: inch(mm))



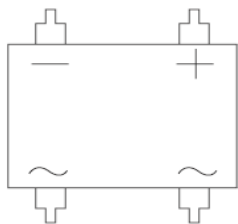
Dual In-line Bridge Rectifier 1,0A (Glass Passivated)	
EDCON-Ser.	E11003
International Serie:	DF / DBxxx

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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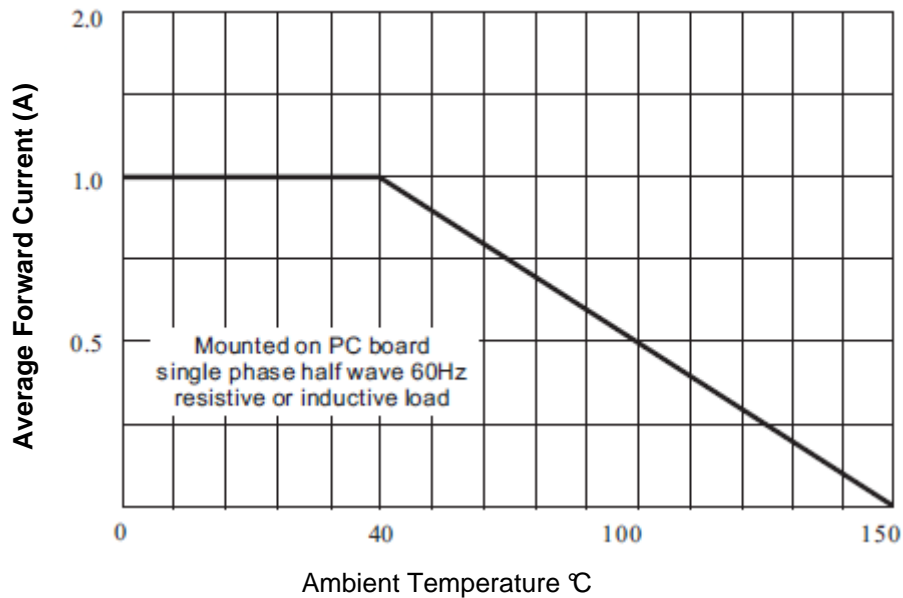
email: info@edcon-components.com

EDCON-COMPONENTS

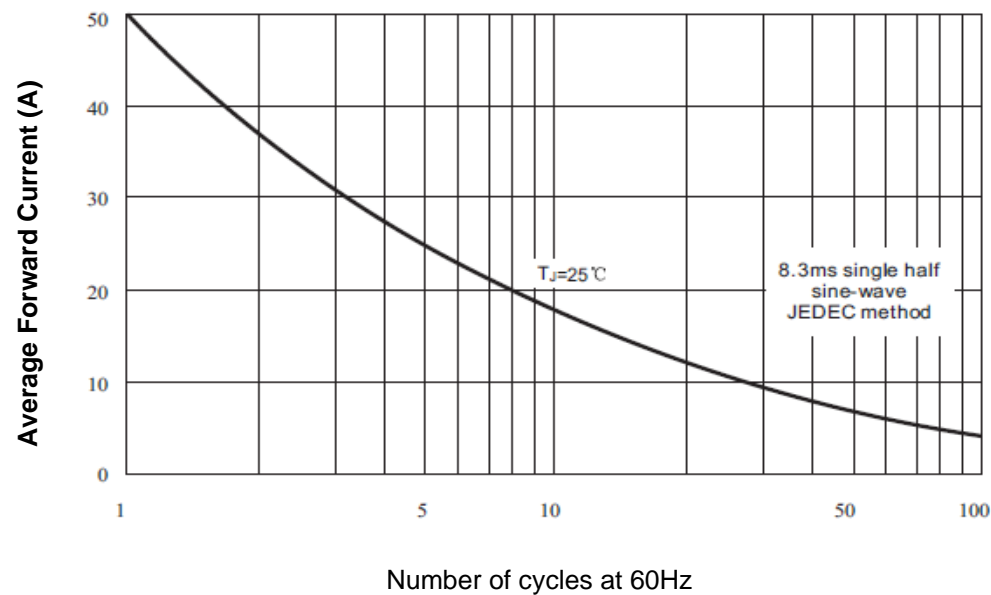


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Current Derating Curve



Maximum NON-Repetitive Forward Surge Current

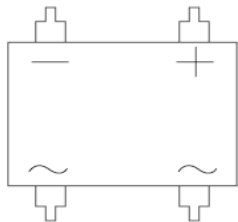


Dual Inline Bridge Rectifier 1,0A (Glass Passivated)	
EDCON-Ser.	E11003
International Serie:	DF / DBxxx

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.	2 from 5	

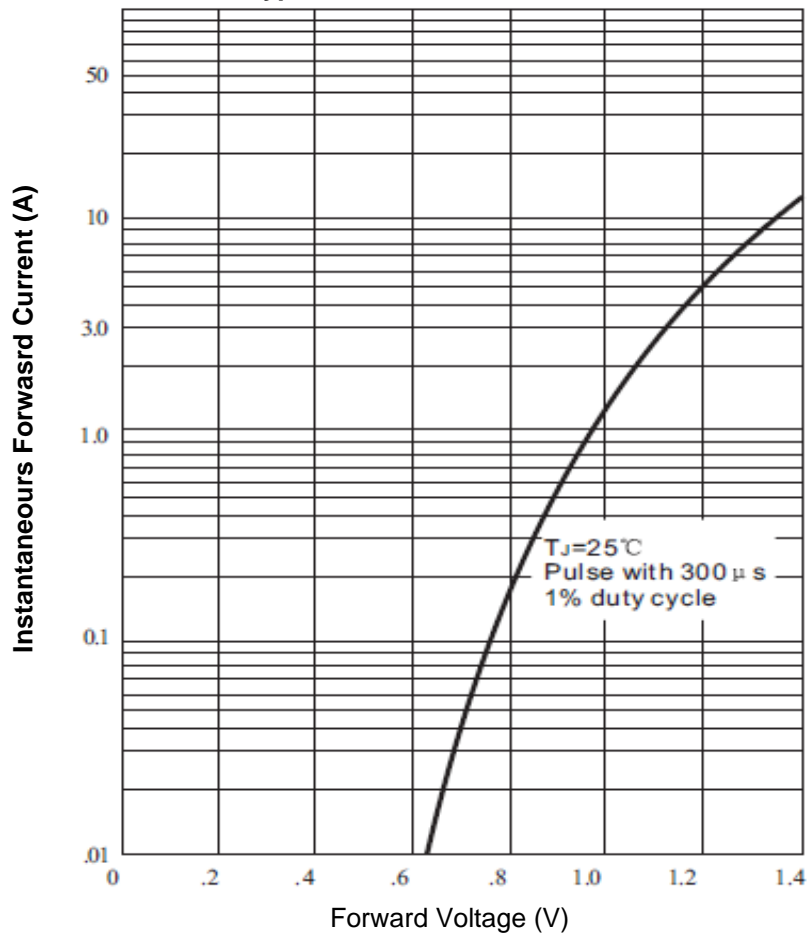
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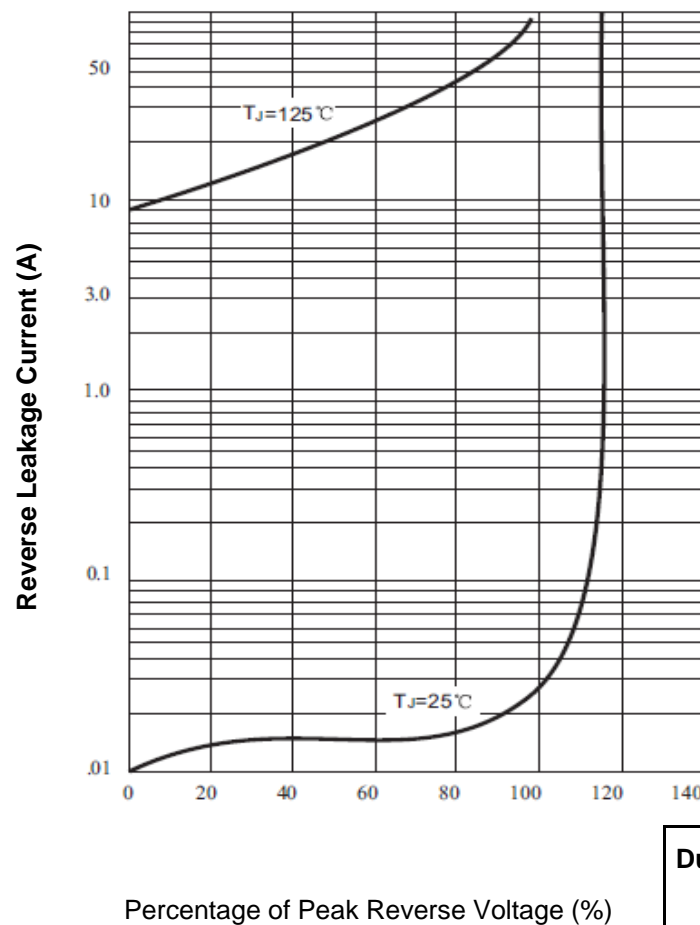


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



Typical Reverse Characteristics

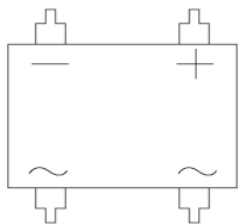


Dual In-line Bridge Rectifier 1,0A
(Glass Passivated)

EDCON-Ser.	E11003
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DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
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Ordering Informations

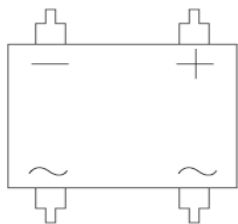
EDCON Serie	International Type	NO Function	ROHS	Package						
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E11003	DBxxx	XX	R	TU						
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Look Voltage Code Table		R= ROHS Conform	TU= Tupe
		N= NON ROHS Conform	

Dual Inline Bridge Rectifier 1,0A (Glass Passivated)	
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Soldering Profile Curve

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



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