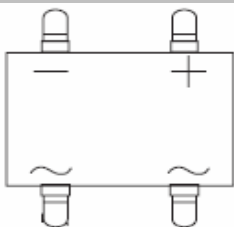


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Specifications

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

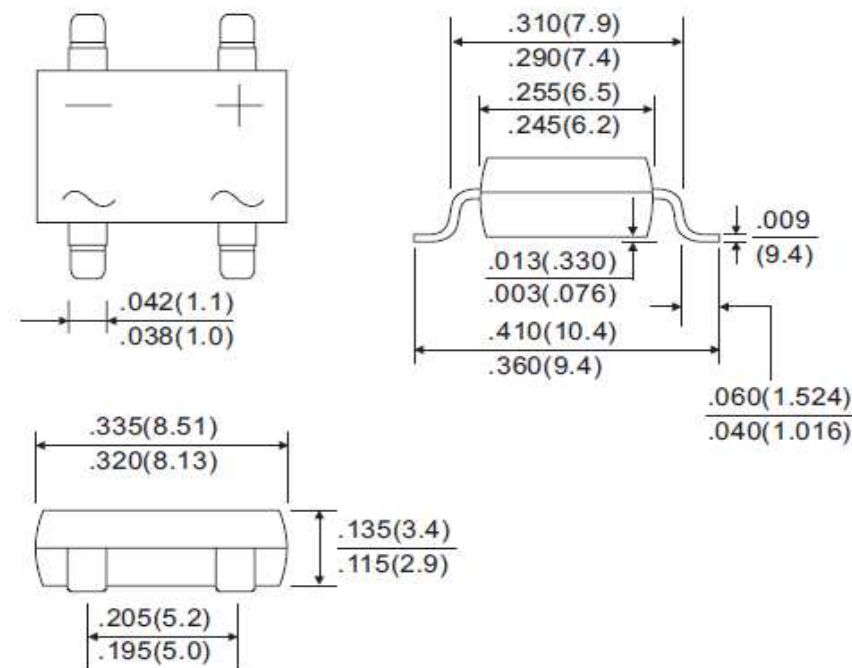
Mechanical Data

- 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
		151S	152S	153S	154S	155S	156S	157S	
		DF	DF	DF	DF	DF	DF	DF	
		1500S	1501S	1502S	1504S	1506S	1508S	1510S	
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 current $T_A=40^\circ\text{C}$	I(AV)	1.5							Amp
Peak forward surge current 8.3ms single half sine-wave	IFSM	50.0							Amps
Maximum forward voltage @IF=1.0A	VF	1.1							Volts
Maximum reverse voltage $T_A=25^\circ\text{C}$ $T_A=125^\circ\text{C}$	IR	5.0 500							μA
Type junction capacitance VR=4.0V f=1.0MHz	CJ	150.0							pF
Operating junction and storage temperature range	TJ.TSTG	-55 to +150							$^\circ\text{C}$

Technical Drawing (Unit: inch(mm))



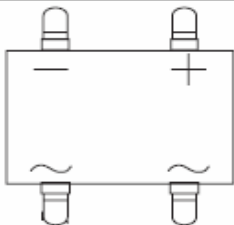
Dual Inline Bridge Rectifier 1,5A (Glass Passivated)	
EDCON-Ser.	E12004
International Serie:	DF / DBxxxS

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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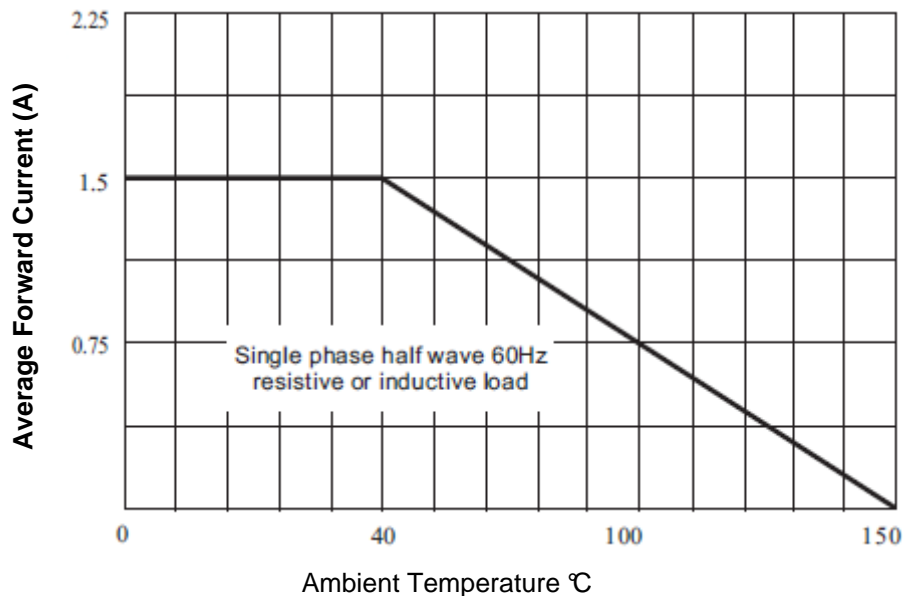
email: info@edcon-components.com

EDCON-COMPONENTS

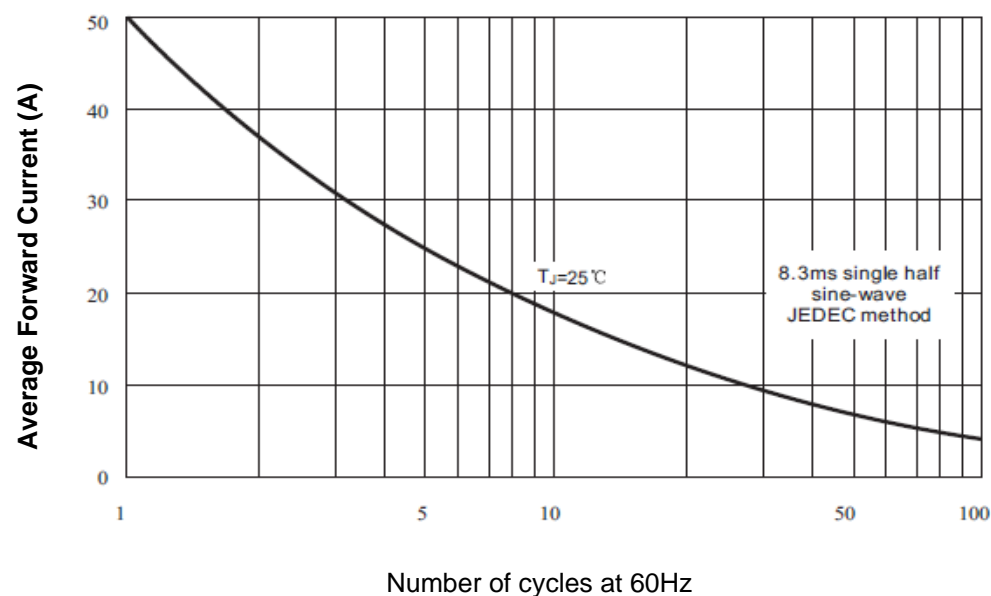


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Current Derating Curve



Maximum NON-Repetitive Forward Surge Current

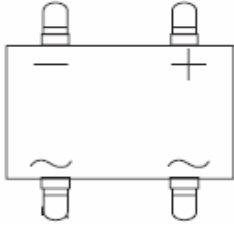


Dual Inline Bridge Rectifier 1,5A (Glass Passivated)	
EDCON-Ser.	E12004
International Serie:	DF / DBxxxS

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

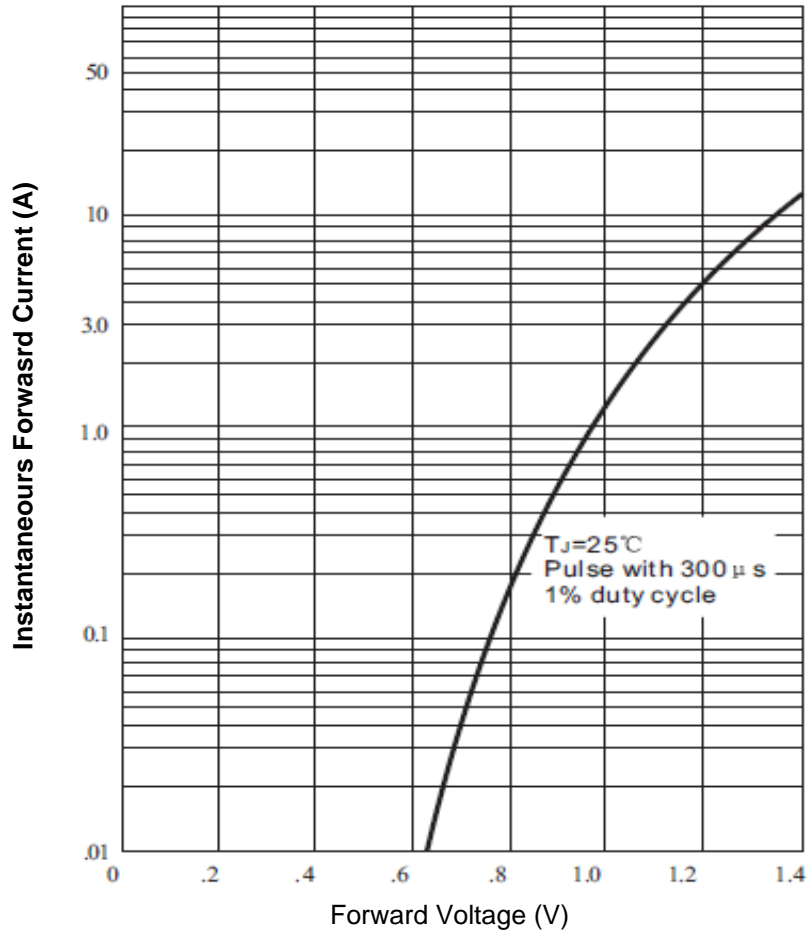
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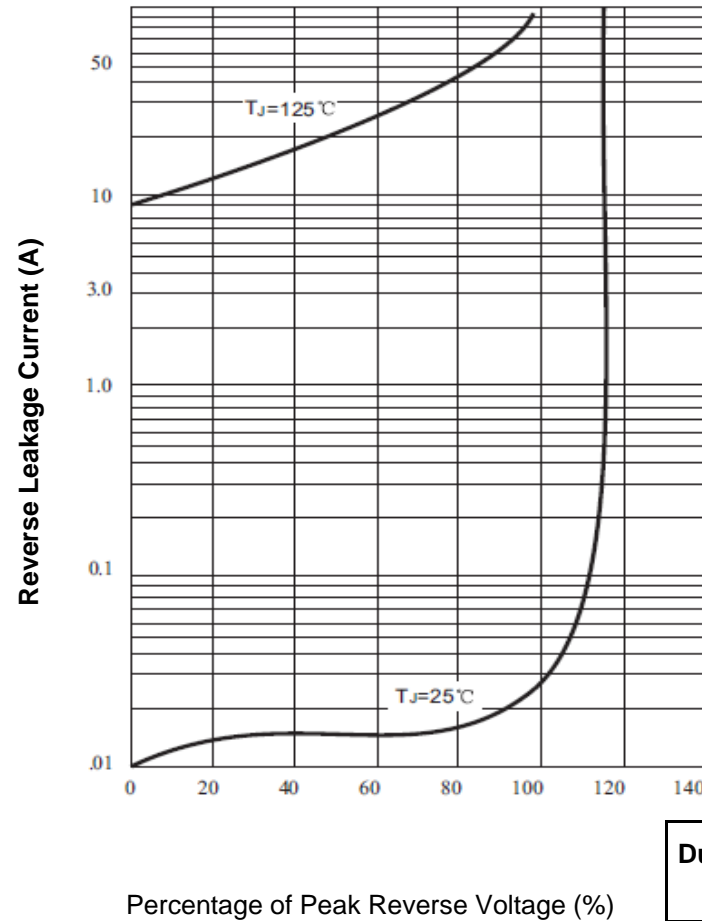


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



Typical Reverse Characteristics

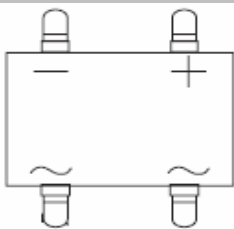


Dual In-line Bridge Rectifier 1,5A
(Glass Passivated)

EDCON-Ser.	E12004
International Serie:	DF / DBxxxS

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.		3 from 5

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Ordering Informations

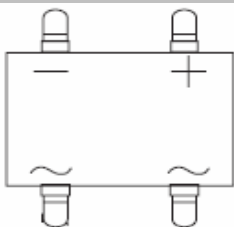
EDCON Serie	International Type	NO Function	ROHS	Package						
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E12004	DB15xS	XX	R	TR						
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Look Voltage Code Table		R= ROHS Conform	TR= Tape Reel
		N= NON ROHS Conform	

Dual Inline Bridge Rectifier 1,5A (Glass Passivated)	
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Soldering Profile Curve

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



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EDCON-Ser.	E12004
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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	