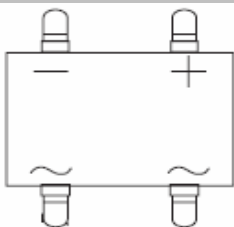


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Specifications

Features

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

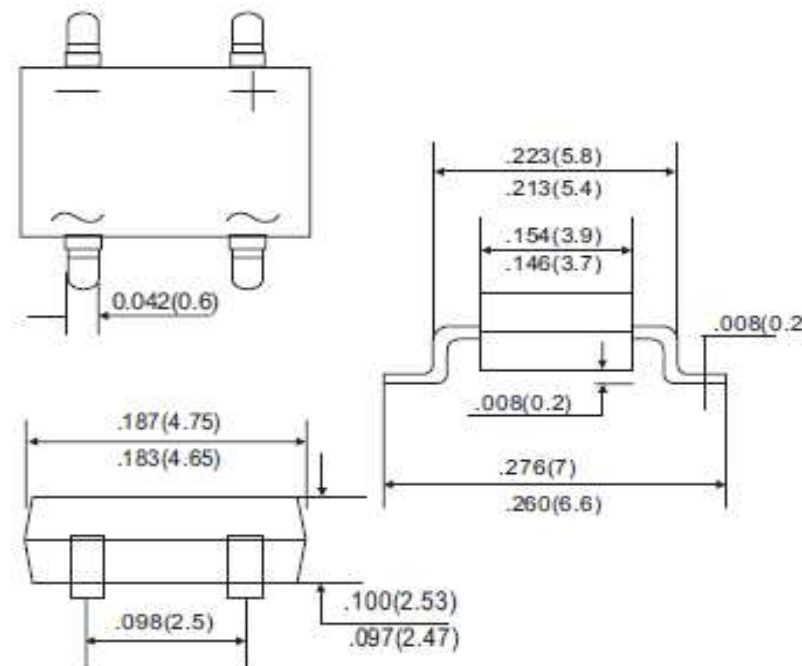
Mechanical Data

- Molded plastic body over passivated junctions Terminals plated leads solderable per MIL-STD-750 Method 2026
- Polarity symbols marked on body
- Weight 0,129gramm

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

	SYMBOLS	MB05S	MB1S	MB2S	MB4S	MB6S	MB8S	MB10S	UNITS
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	I(AV) TA=40°C	0.5				0.8			Amp
Peak forward surge current 8.3ms single half sine-wave	IFSM	35.0							Amps
Maximum forward voltage @IF=0.5/0.8A	VF	1.1							Volts
Maximum reverse voltage	IR TA=25°C TA=125°C	5.0				500			uA
Type junction capacitance VR=4.0V f=1.0MHz	CJ	13.0							pF
Operating junction and storage temperature range	TJ,TSTG	-55 to +150							°C

Technical Drawing (Unit: inch(mm))



**Dual In-Line Bridge Rectifier
0,5/0,8A (Glass Passivated)**

EDCON-Ser. **E12001**

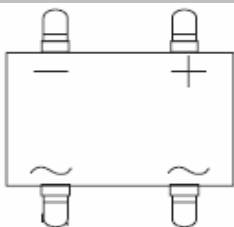
International Serie: **MBxS**

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-DERATING CURVE OUTPUT RECTIFIED CURRENT

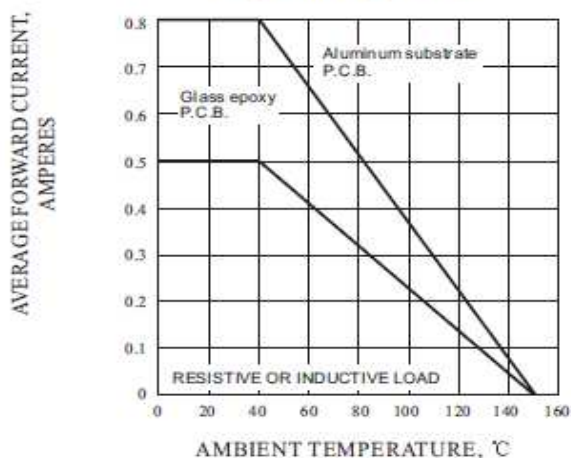


FIG. 4 - TYPICAL REVERS CHARACTERISTICS

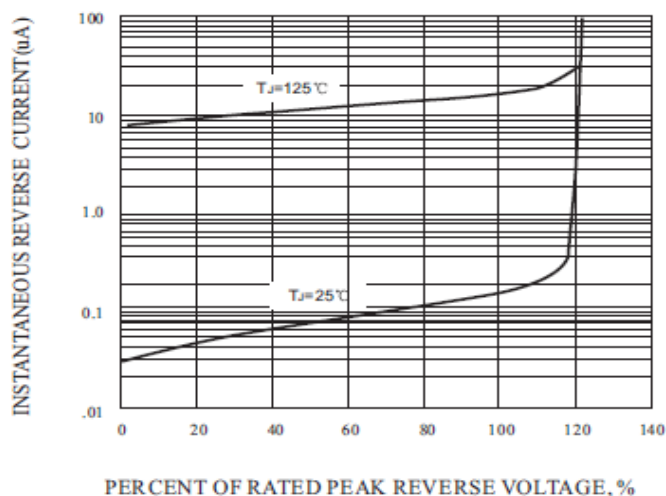
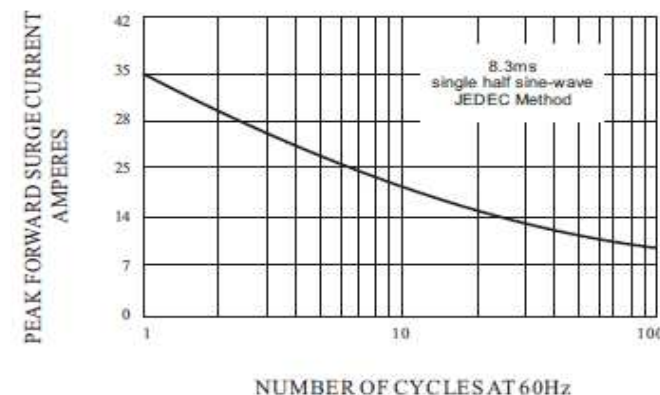


FIG.2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT



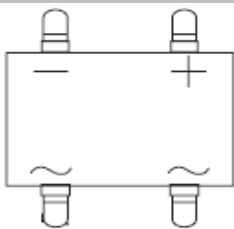
Dual Inline Bridge Rectifier
0,5/0,8A (Glass Passivated)

EDCON-Ser. **E12001**

International Serie: **MBxS**

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

FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

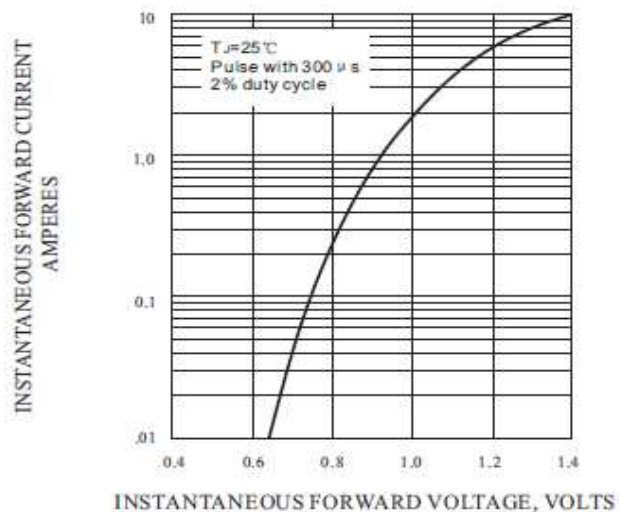
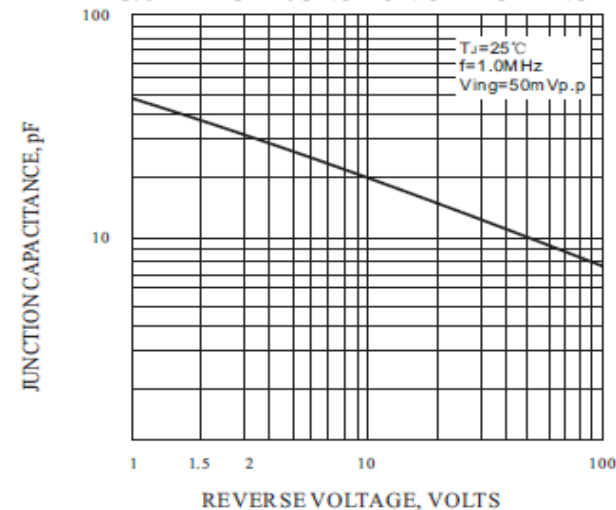


FIG. 5 TYPICAL JUNCTION CAPACITANCE



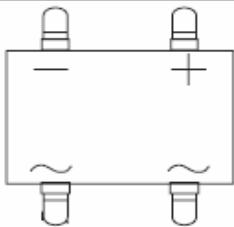
**Dual Inline Bridge Rectifier
0,5/0,8A (Glass Passivated)**

EDCON-Ser. **E12001**

International Serie: **MBxS**

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Ordering Informations

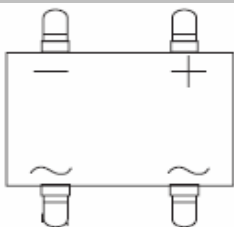
EDCON Serie	International Type	NO Function	ROHS	Package						
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E12001	MBxxS	XX	R	TR						
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Look Voltage Code Table		R= ROHS Conform	TR= Tape Reel
		N= NON ROHS Conform	

Dual Inline Bridge Rectifier 0,5/0,8A (Glass Passivated)	
EDCON-Ser.	E12001
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Soldering Profile Curve

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



Dual Inline Bridge Rectifier 0,5/0,8A (Glass Passivated)	
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International Serie:	MBxS

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APPD:	Schumi			FINISH	Jamy		Sheet No.		5 from 5