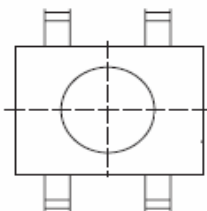


EDCON-COMPONENTS



Specifications

Features

- Plastic package has underwriters Laboratory Flammability Classification 94V-0
- This series is UL listed under Recognized under Component index, file number W352843
- Glass passivated chip junctions; High surge overload rating: 35A peak
- Saves space on printed circuit board; High temperature soldering guaranteed 260°C/10 seconds

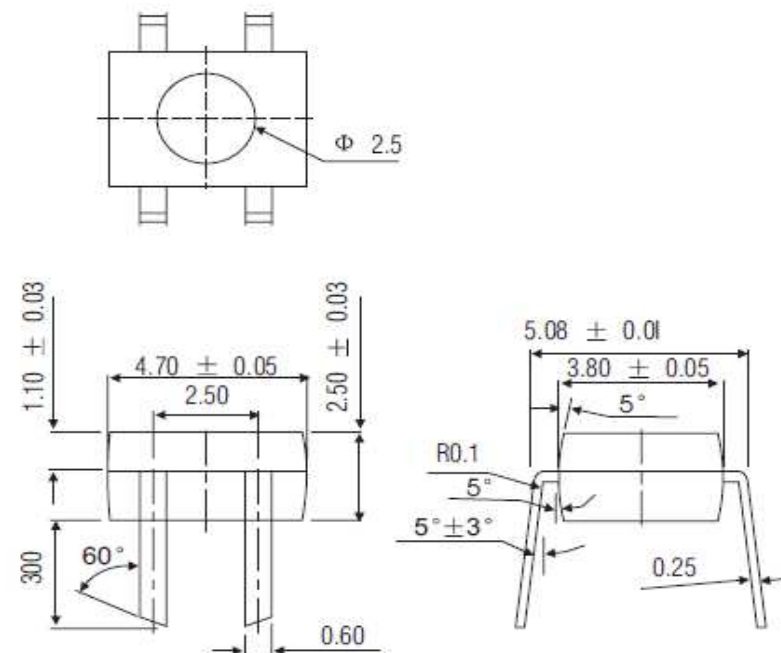
Mechanical Data

- Molded plastic body over passivated junctions.
- Terminals: plated leads solderable per MIL-STD 750 Method 2026
- Polarity symbols marked on body.
- Weight 0,22gram

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

	SYMBOLS	MB05M	MB1M	MB2M	MB4M	MB6M	MB8M	MB10M	UNITS
Maximum recurrent 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 at TA=30°C	I(AV)				0.5 0.8				Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM				35				Amps
Rating for fusing (t<8.3ms)	I ² t				5.0				A ² sec
Maximum forward voltage drop per leg at 4.0A	VF				1.0				Volts
Maximum DC reverse voltage current at rated DC blocking voltage per leg	IR				5.0 500				μA
Type junction capacitance VR=4.0V f=1.0MHz	CJ				13.0				pF
Typical thermal resistance per leg	R θ JL R θ JA R θ JA				20.0 85.0 70.0				°C/W
Operating 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. **E11001**

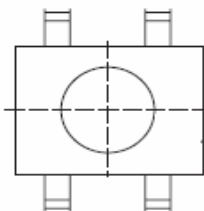
International Serie: **MBxM**

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

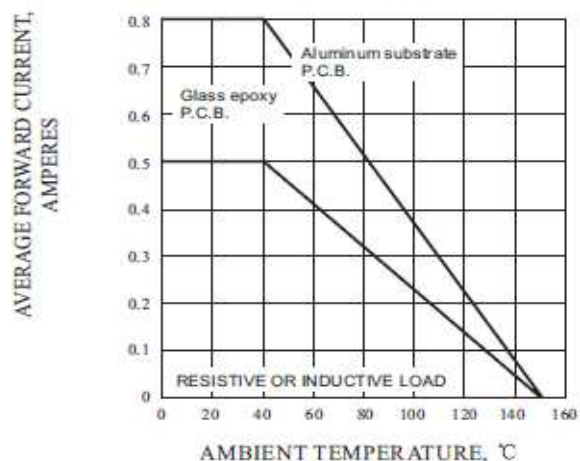


FIG.3 - TYPICAL FORWARD VOLTAGE CHARACTERISTICS PER LEG

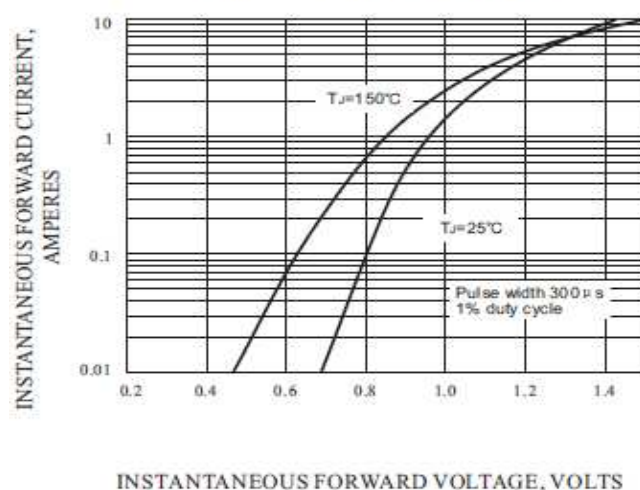
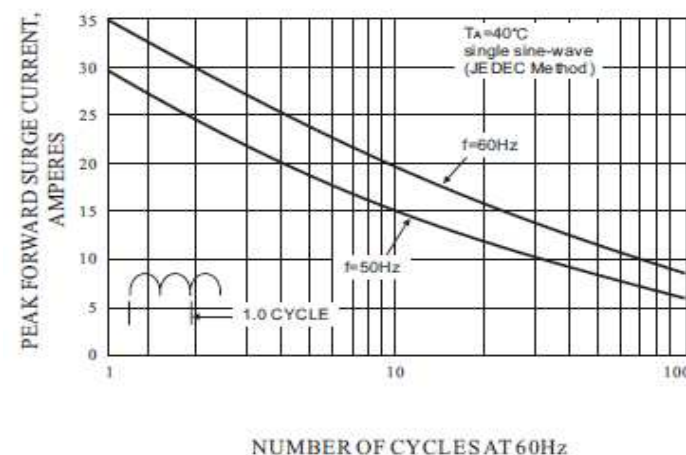


FIG.2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER LEG



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

EDCON-Ser. **E11001**

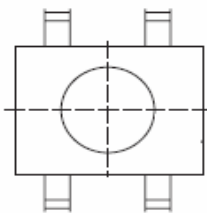
International Serie: **MBxM**

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

FIG. 4 - TYPICAL REVERSE LEAKAGE CHARACTERISTICS PER LEG

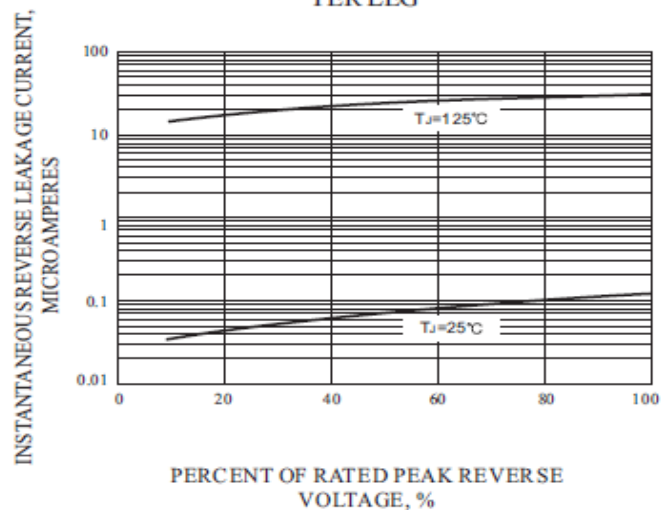
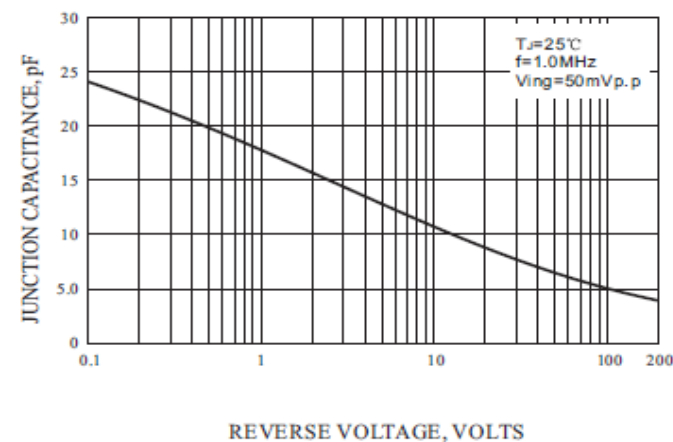


FIG. 5 TYPICAL JUNCTION CAPACITANCE PER LEG



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

EDCON-Ser. **E11001**

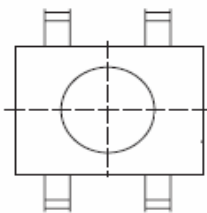
International Serie: **MBxM**

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Ordering Informations

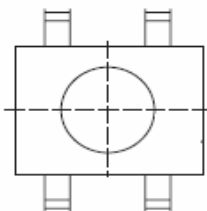
EDCON Serie	International Type	NO Function	ROHS	Package						
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E11001	MBxxM	XX	R	TU						
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Look Voltage Code Table		R= ROHS Conform	TU= Tube Packing
		N= NON ROHS Conform	

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

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



Dual Inline Bridge Rectifier 0,5/0,8A (Glass Passivated)	
EDCON-Ser.	E11001
International Serie:	MBxM

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APPD:	Schumi			FINISH	Jamy		Sheet No.	5 from 5	