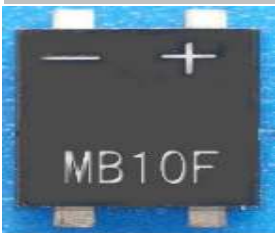


EDCON-COMPONENTS



Specifications

Features

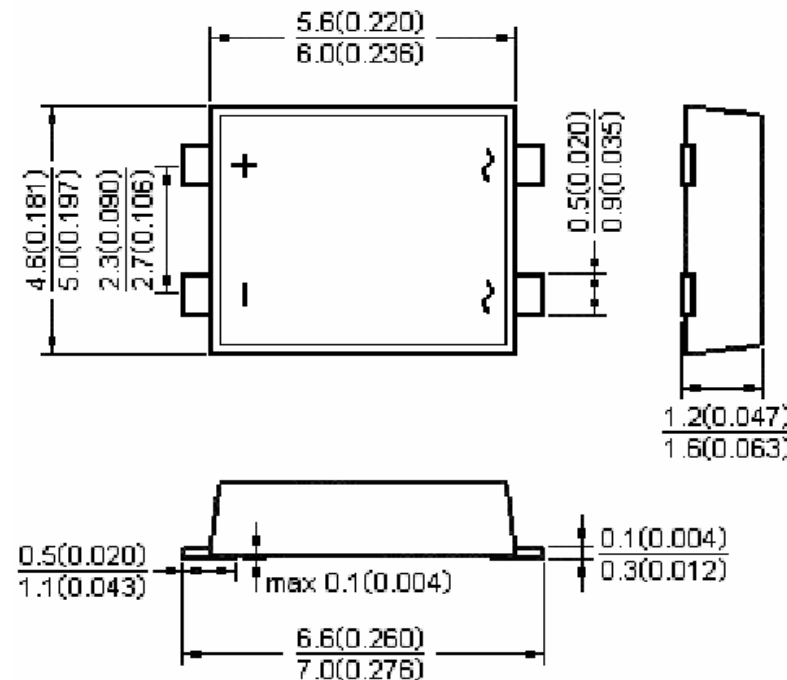
- Low profile space
- Ideal for automated placement
- Glass passivated chip junction
- Low forward voltage drop
- Low leakage current
- High forward surge capability
- Component in accordance to RoHS 2002/95/1 and WEEE 2002/96/EC

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

	Symbols	MB1 05F	MB1 1F	MB1 2F	MB1 4F	MB1 6F	MB1 8F	MB1 10F	Unit
Maximum reeurrent 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 output rectified TA=100°C	I(AV)	1,0							Amps
Peak forward surge current 8,3ms single half sine-wave	IFSM	35							Amps
Maximum forward voltage drop	VF	1,1							Volt
Maximum revese voltage TA=25°C	IR	5							µA
Maximum revese voltage TA=125°C	IR	100							µA
Operating and storage temperature range	TJ TSTG	-55°C to + 150°C							°C
Type junction capacitance VR=4,0V f=1,0Mhz	CJ	13							pF

Technical Drawing (Unit: inch(mm))

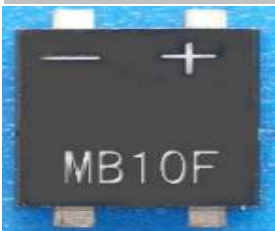
MBF



SMT Dual-Inline Bridge Rectifier 1,0A	
EDCON-Ser.	E12006
International Serie:	MB1xxF

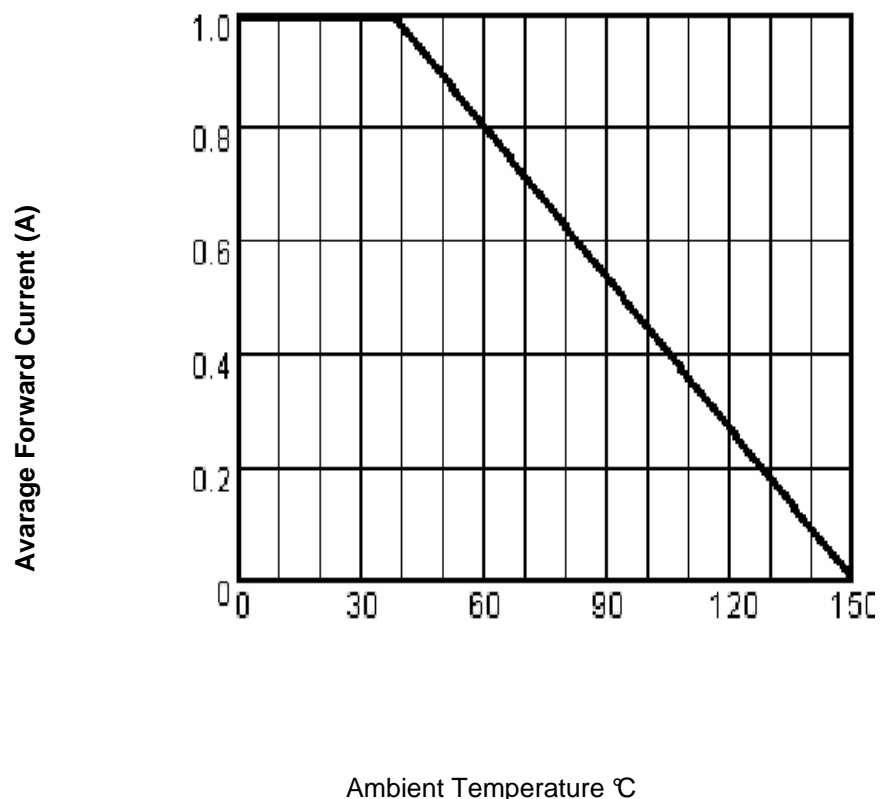
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 5

EDCON-COMPONENTS

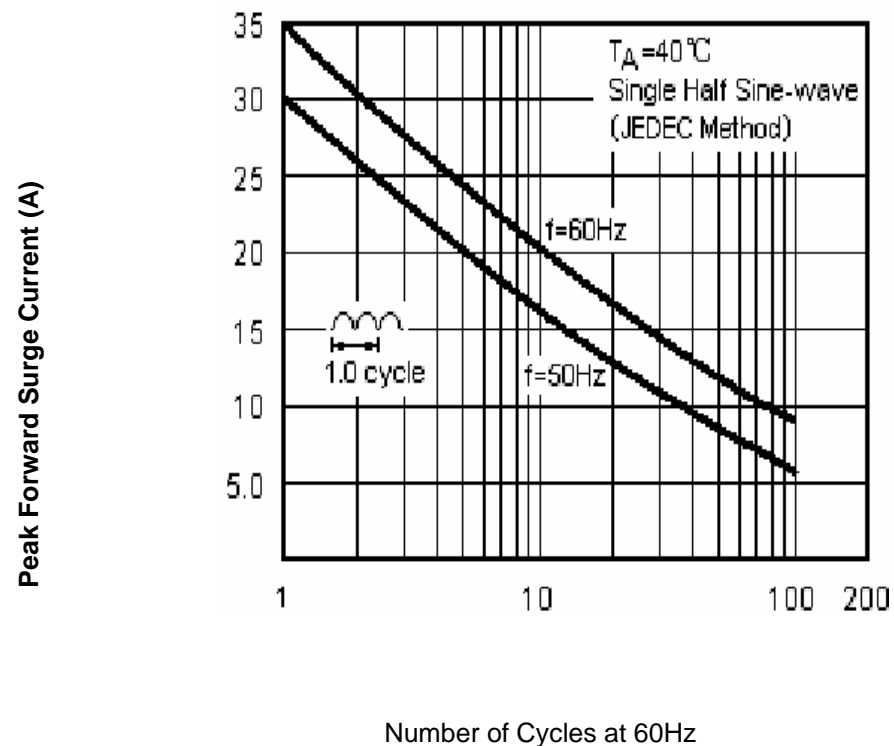


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Derating Curve for Output Rectified Current



Maximum NON Repetitive Forward Surge Current



**SMT Dual-Inline Bridge Rectifier
1,0A**

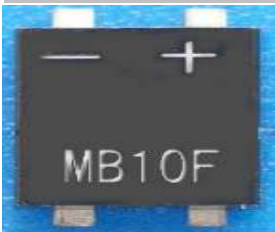
EDCON-Ser. **E12006**

International Serie: **MB1xxF**

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

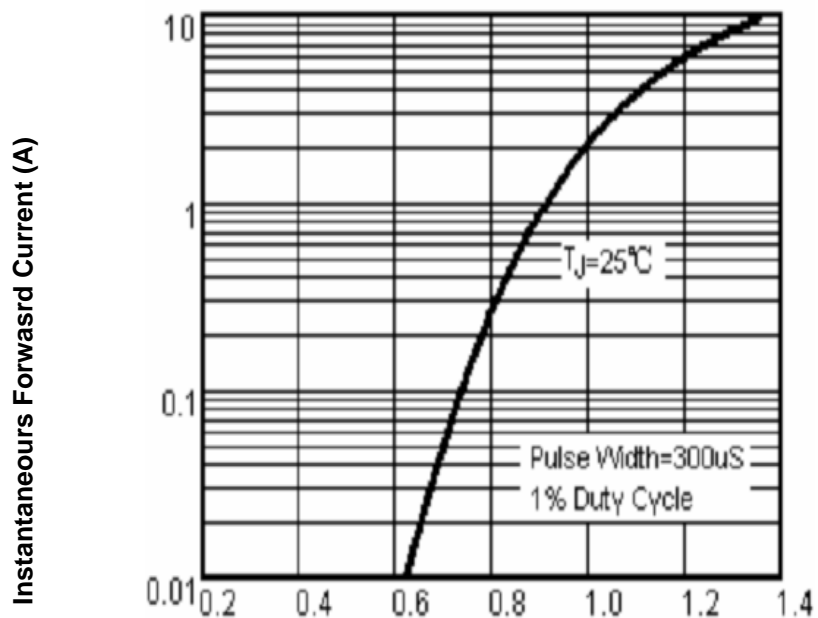
www.edcon-components.com

email: info@edcon-components.com

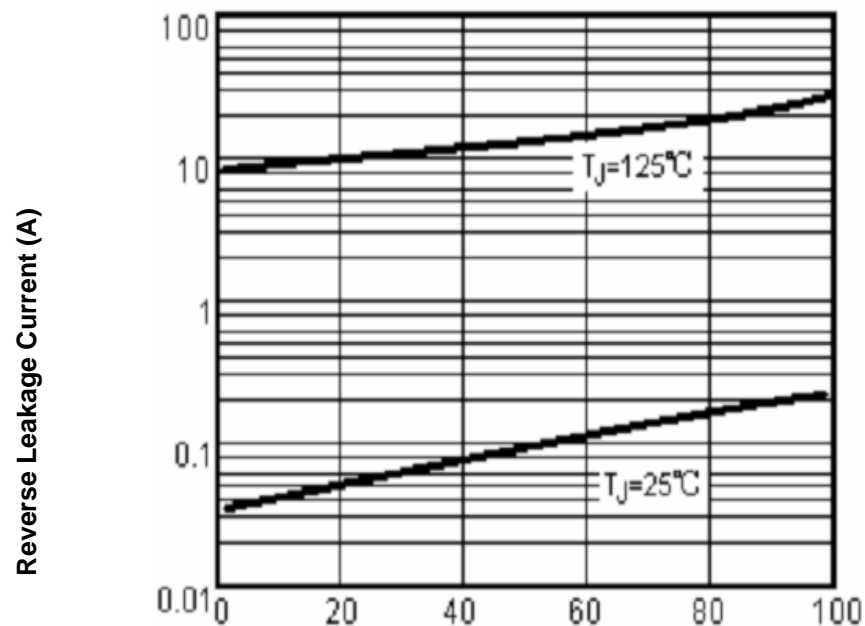


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



Typical Reverse Characteristics



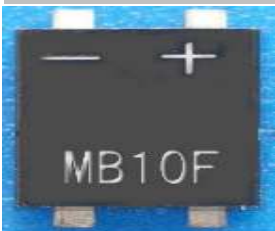
Percentage of peak Reverse Voltage (%)

Forward Voltage (V)

SMT Dual-Inline Bridge Rectifier 1,0A	
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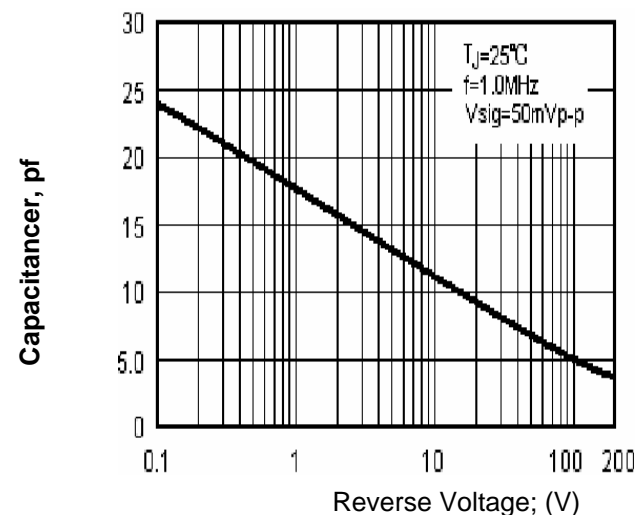
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.		3 from 5

EDCON-COMPONENTS



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

Forward Current Derating Curve



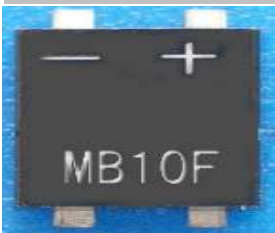
Ordering Informations

EDCON Serie	International Type	NO function	ROHS	Package					
E12006	MB1xxF	XX	R	TR					

Look Voltage Code Table		R= ROHS Conform	TR= Tape Reel
		N= NON ROHS Conform	TU= Tube Packing

SMT Dual-Inline Bridge Rectifier 1,0A	
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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	