

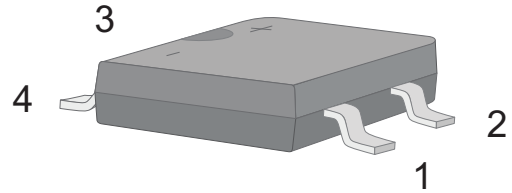
LB1FF Thru LB10FF

High Current Glass Passivated Molding Single-Phase Bridge Rectifier

Reverse Voltage 100 to 1000V Forward Current 0.8 A

FEATURES

- I Plastic Package has Underwriters Laboratory Flammability Classification 94V-0
- I High current capacity with small package
- I Glass passivated chip junctions
- I Superior thermal conductivity
- I High IFSM



MBF Package

1. Maximum & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

Parameter Symbol	Symbol	LB1FF	LB2FF	LB4FF	LB6FF	LB8FF	LB10FF	Unit
Maximum repetitive voltage	VRRM	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	100	200	400	600	800	1000	V
Maximum DC reverse current TA=25 °C	IR	5						µA
at rated DC blocking voltage TA=125°C		40						
Average rectified forward current 60Hz Sine wave Resistance load with Ta=55°C	Io	0.8						A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	IFSM	30						A
Rating of fusing (t<8.3ms)	I ² t	5						A ² sec
Max instantaneous forward voltage at 0.8A	VF	1.1						V
Thermal Resistance								
Between junction and ambient	R _{θJ-A}	90						°C/W
Between junction and lead	R _{θJ-L}	35						
Operating junction temperature	TJ	-55~150						°C
Storage temperature	Tstg	-55~150						°C

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2. Ratings and Characteristic Curves (TA = 25°C unless otherwise noted)

Fig. 1 Derating Curve

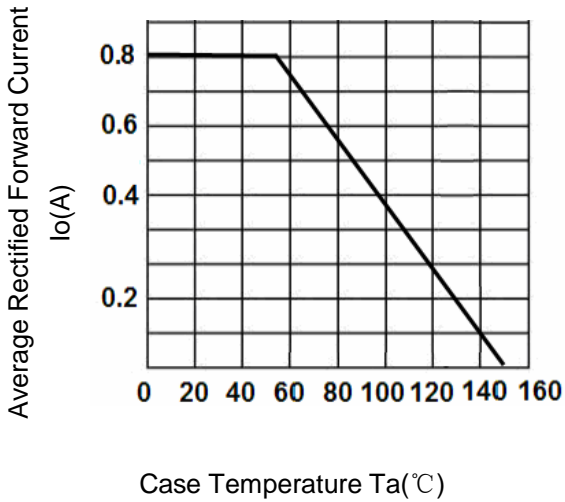


Fig.2 Typical Reverse Characteristics

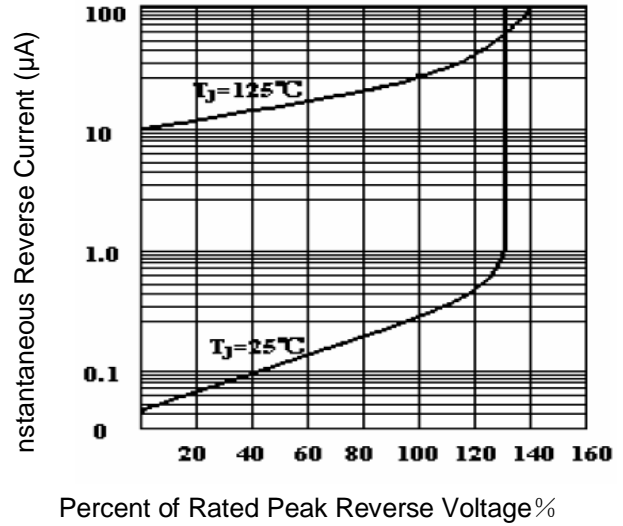


Fig.3 Typical Instaneous Forward Characteristics

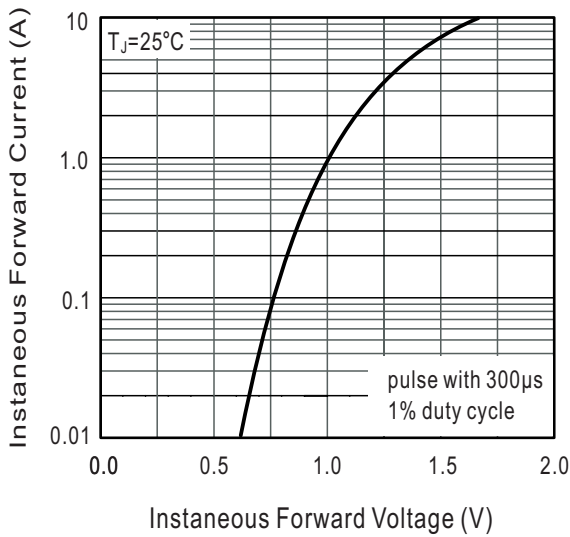
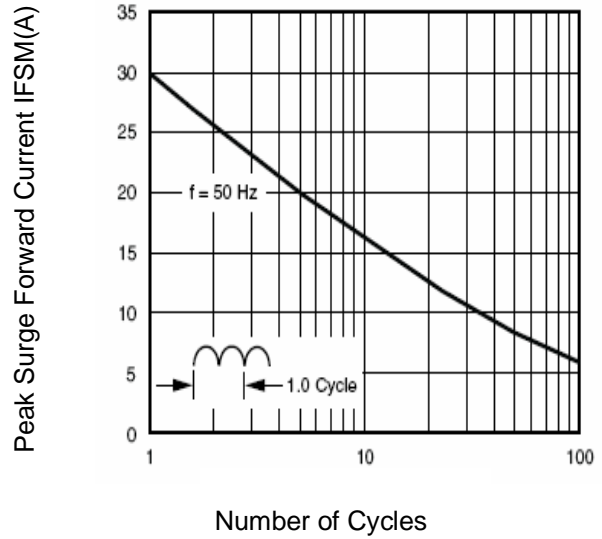
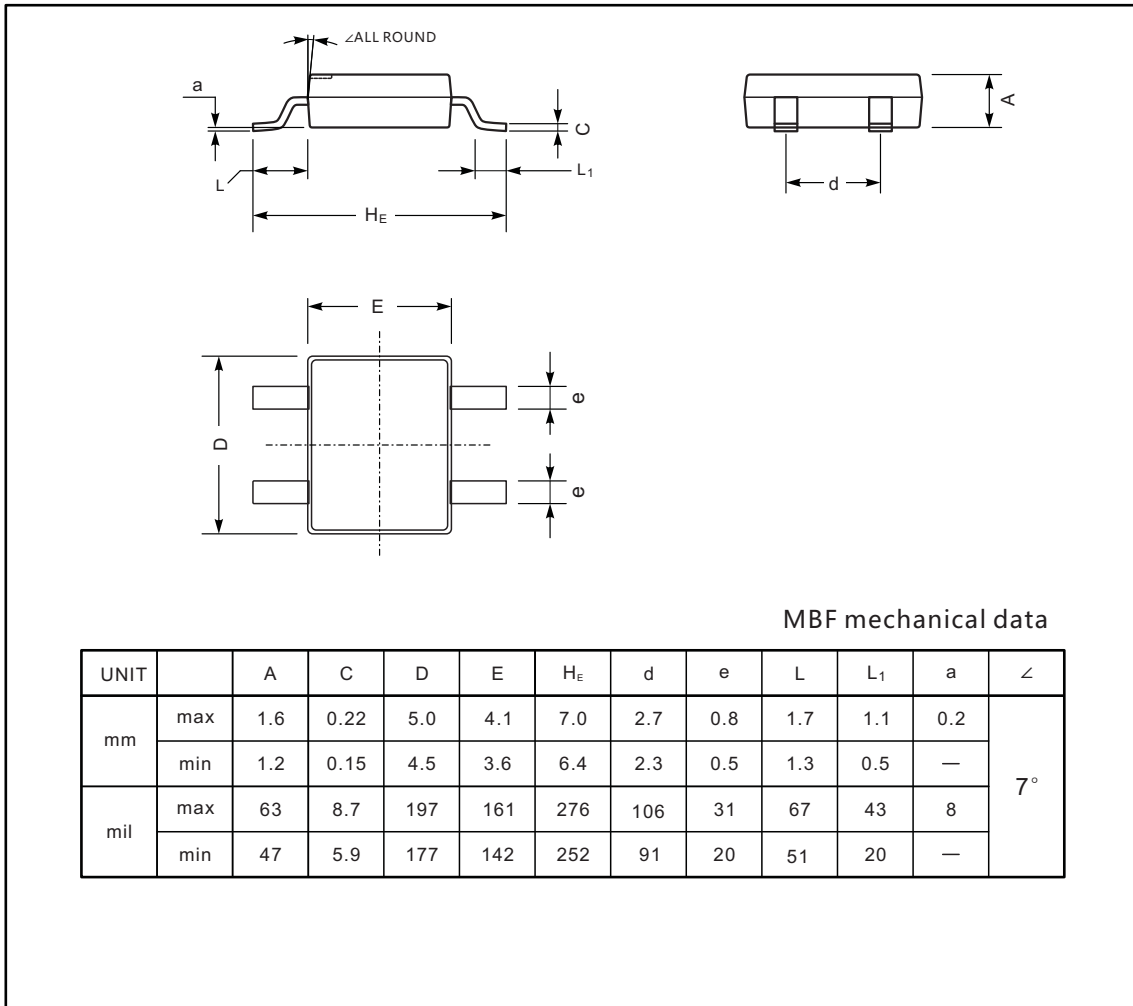


Fig.4 Peak Surge Forward Capability

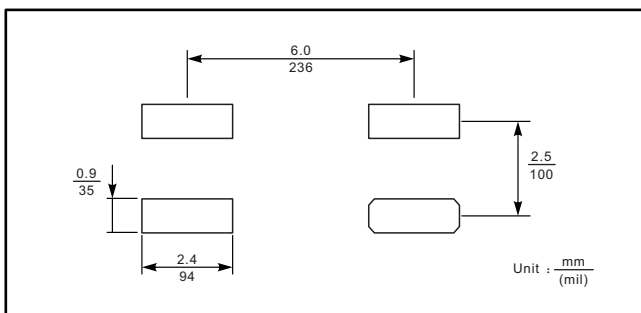


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3. Dimension



The recommended mounting pad size



Marking

Type number	Marking code
LB1FF	B1FF
LB2FF	B2FF
LB4FF	B4FF
LB6FF	B6FF
LB8FF	B8FF
LB10FF	B10FF

