

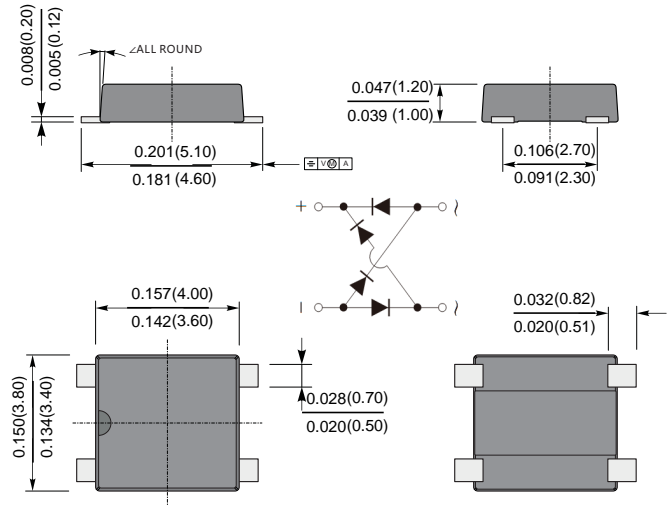
Features

- Glass passivated die construction
- Low forward voltage drop
- High current capability
- High surge current capability
- Designed for surface mount application
- Plastic material-UL flammability 94V-0

Mechanical Data

- Case:LBF
- Terminals: Solderable per MIL-STD-750 Method 2026

LBF



dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

Single Phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

TYPE NUMBER	SYMBOL	LBF1	LBF2	LBF4	LBF6	LBF8	LBF10	UNITS
Peak Repetitive Reverse Voltage	V _{RRM}	100	200	400	600	800	1000	V
Working Peak Reverse Voltage	V _{RWM}							
DC Blocking Voltage	V _{DC}							
RMS Reverse Voltage	V _{RMS}	70	140	280	420	560	700	V
Average Rectified Output Current (Note 1)@T _C =100 °C	IF(AV)	1.0						A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	30						A
I ² t Rating for Fusing (t < 8.3ms)	I ² t	3.735						A ² s
Forward Voltage per element @IF=0.5A @IF=1.0A	V _{FM}	0.95 1.05						V
Peak Reverse Current @T _J =25 °C At Rated DC Blocking Voltage @T _J =125 °C	I _R	5.0 50						uA
Typical Junction Capacitance per leg (Note2)	C _J	13						pF
Typical Thermal Resistance per leg (Note1)	R _{θJA}	110						°C/W
	R _{θJC}	25						
Operating and Storage Temperature Range	T _J ,T _{STG}	-55to+150						°C

Note: 1. P.C.B mounted with 4x1.5 x1.5 (3.81x3.81 cm) copper pad areas.

2. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

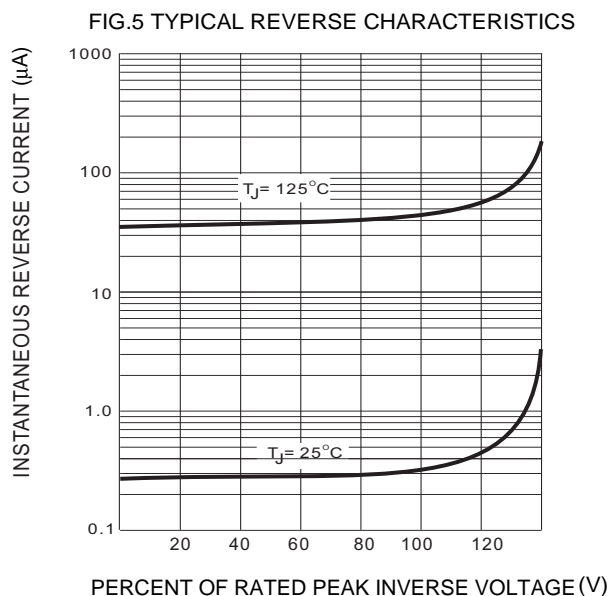
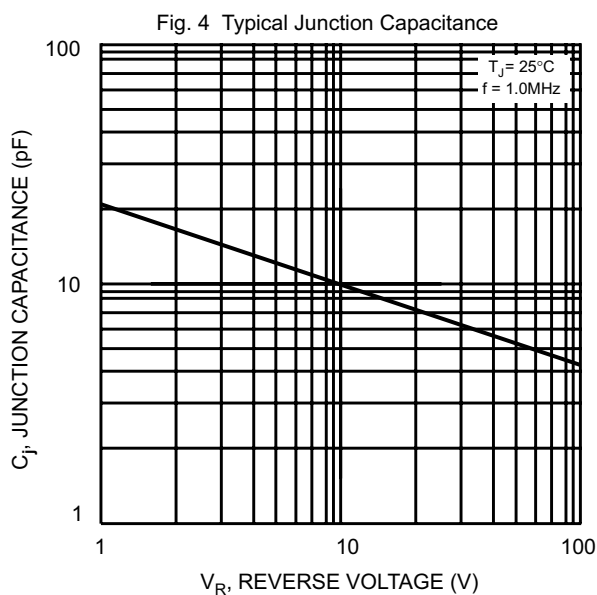
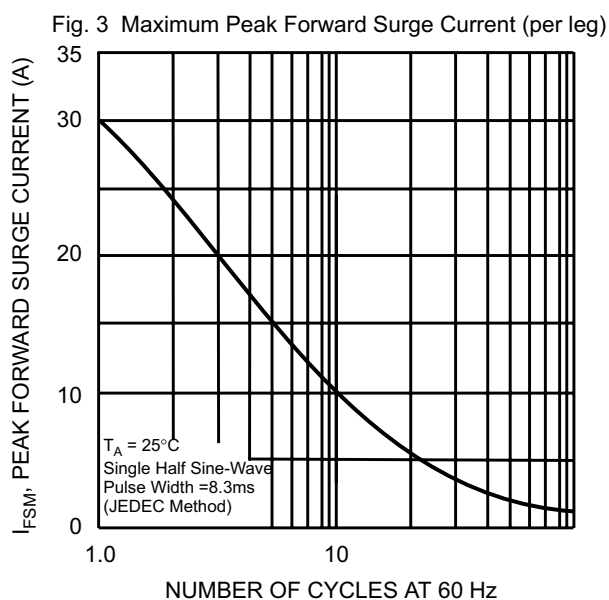
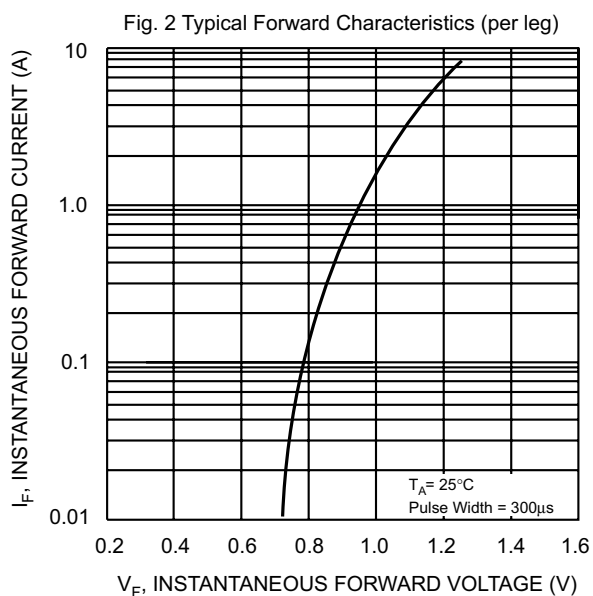
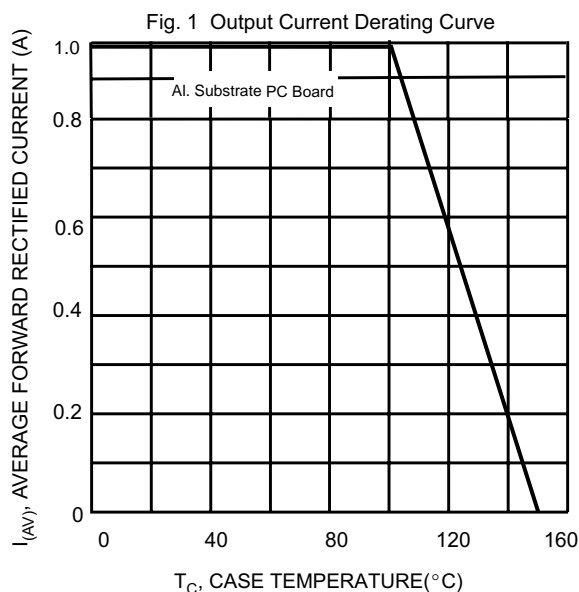
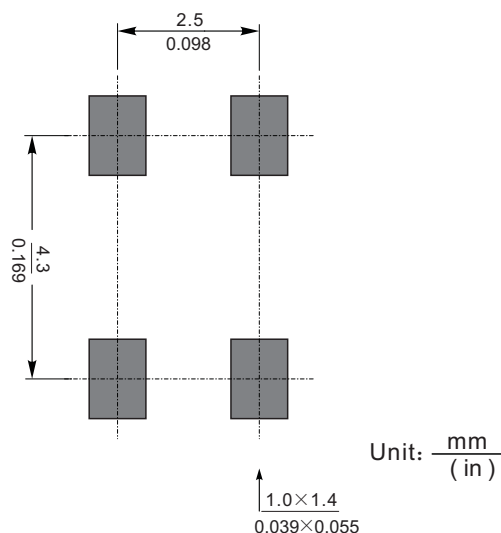


FIG.6 MOUNTING PAD LAYOUT



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