



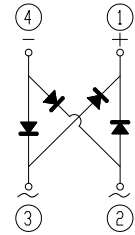
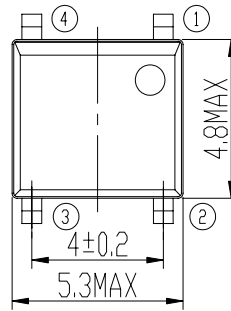
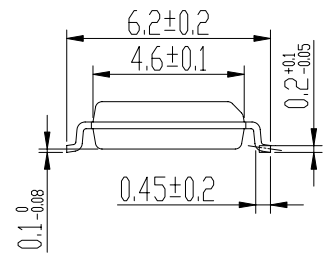
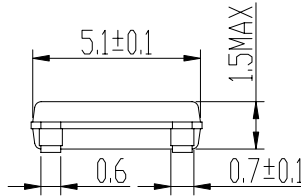
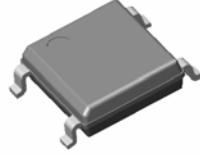
Low Profile Miniature Glass Passivated Single-Phase Surface Mount Bridge Rectifier

LB2S thru LB10S

Reverse Voltage ⁺200 and 1000V Forward Current 1.0A

Features

Low Profile: Typical height of 1.4mm
 Ideal for automated placement
 High surge current capability
 Solder Dip 260 , 40seconds



Mechanical Data

Case: SOPA-4
 Epoxy meets UL-94V-0 Flammability rating
 Terminals: Matte tin plated leads, solderable per J-STD-002B and JESD22-B102D
 Polarity: As marked on body

Maximum Ratings & Electrical Characteristics Ratings at 25

ambient temperature unless otherwise specified.

Parameter	Symbol	LB2S	LB4S	LB6S	LB8S	LB10S	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	140	280	420	560	800	V
Maximum DC blocking voltage	V_{DC}	200	400	600	800	1000	V
Maximum Average forward output rectified current on glass-epoxy P.C.B on aluminum substrate	$I_{F(AV)}$			1.0 0.8			A
Peak forward surge current 8.3 ms single sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}			30			A
Rating for fusing ($t < 8.3ms$)	I^2t			3			A ² sec
Maximum instantaneous forward voltage drop per diode at 0.4A	V_F			0.95			V
Maximum DC reverse current at $T_A=25$ rated DC blocking voltage per leg $T_A=125$	I_R			5 500			μA
Typical thermal resistance per leg (Note 1)	$R_{\theta JA}$ $R_{\theta JL}$			80 25			/W
Operating junction temperature range	T_J			-55 to +150			
Storage temperature range	T_{STG}			-55 to +150			

Notes: 1. Device mounted P.C.B with 0.47x0.47"(12mmx12mm) Copper Pads.
 2. JEDEC registered values

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RATINGS AND CHARACTERISTIC CURVES

(TA=25 unless otherwise noted)

