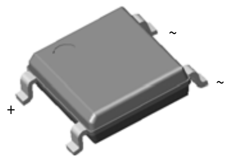
LB2SB thru LB10SB

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

Reverse Voltage 200 and 1000V   Forward Current 0.8A

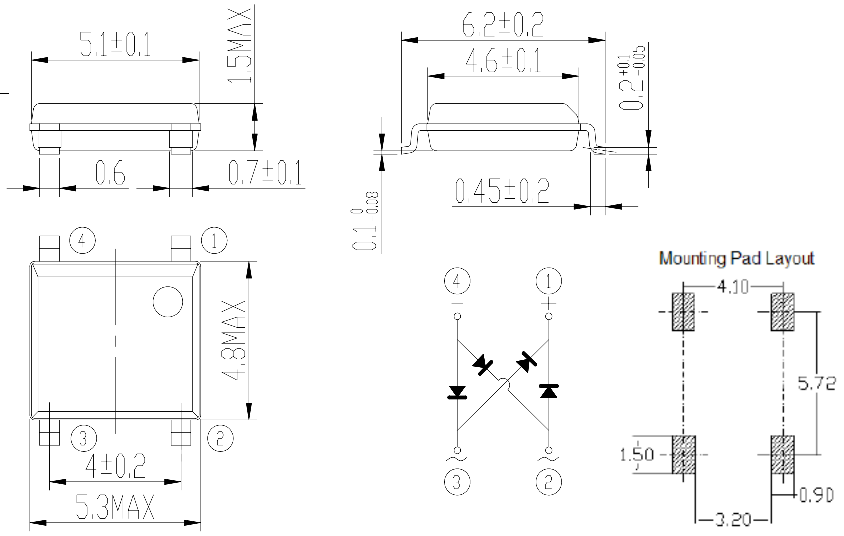
Features

- Low Profile: Typical height of 1.4mm
- Ideal for automated placement
- High surge current capability
- Solder Dip 260℃，10seconds



Mechanical Data

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



Maximum Ratings & Electrical Characteristics Ratings at 25℃

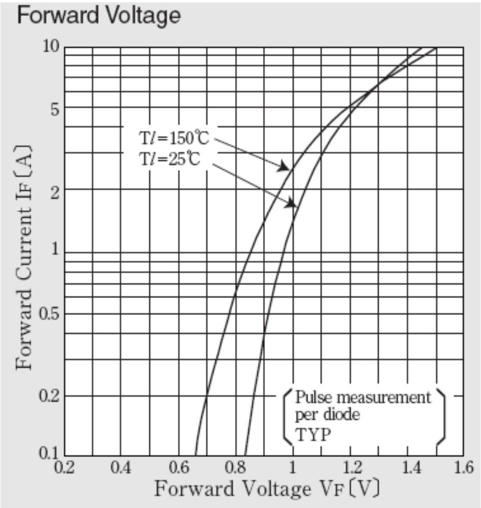
ambient temperature unless otherwise specified.

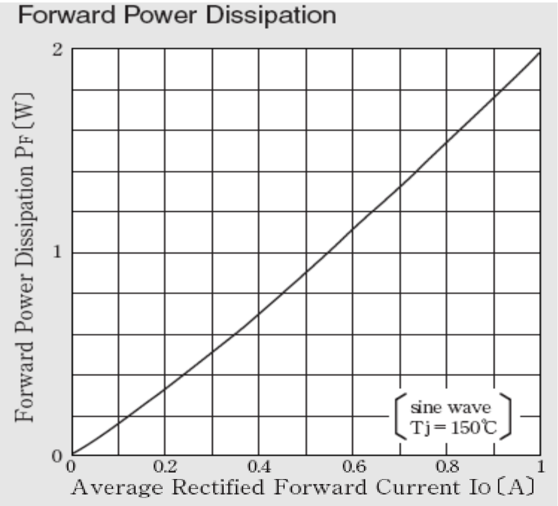
Parameter	Symbol	LB2SB	LB4SB	LB6SB	LB8SB	LB10SB	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	140	280	420	560	700	V
Maximum DC blocking voltage	V_{DC}	200	400	600	800	1000	V
Maximum Average forward output rectified current on glass-eposy P.C.B on aluminum substrate	$I_{F(AV)}$	0.8 1.0					A
Peak forward surge current 8.3 ms single sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	40					A
Rating for fusig (t<8.3ms)	I^2t	6.5					A^2sec
Maximum instantaneous forward voltage drop per diode at 1.0A	VF	1.00					V
Maximum DC reverse current at TA=25℃ rated DC blocking voltage per leg TA=125℃	IR	5 500					μA
Typical thermal resistance per leg (Note 1)	$R_{θJA}$ $R_{θJL}$	80 25					℃/W
Operating junction temperature range	TJ	-55 to +150					℃
Storage temperature range	T_{STG}	-55 to +150					℃

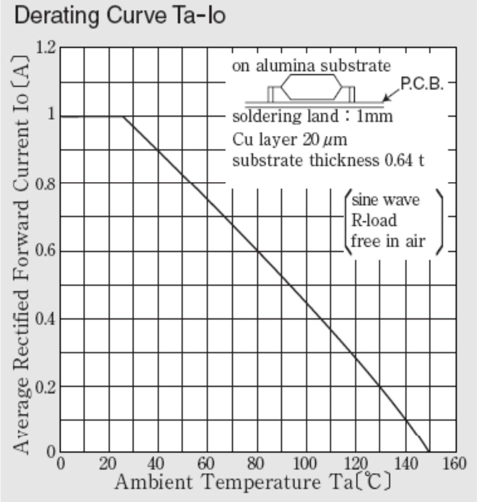
Notes: 1. Device mounted P.C.B with 0.47x0.47"(12mmx12mm) Copper Pads.
2. JEDEC registered values

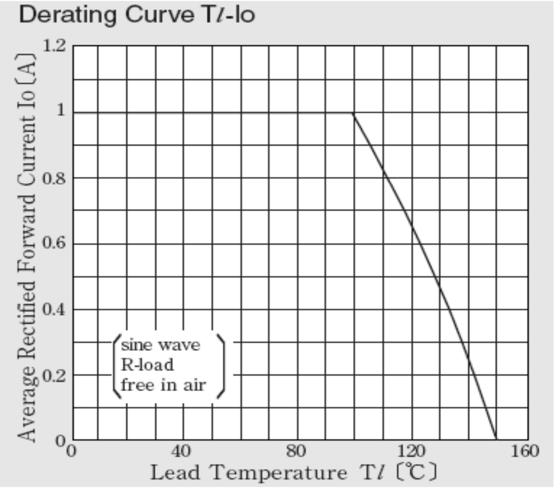
RATINGS AND CHARACTERISTIC CURVES

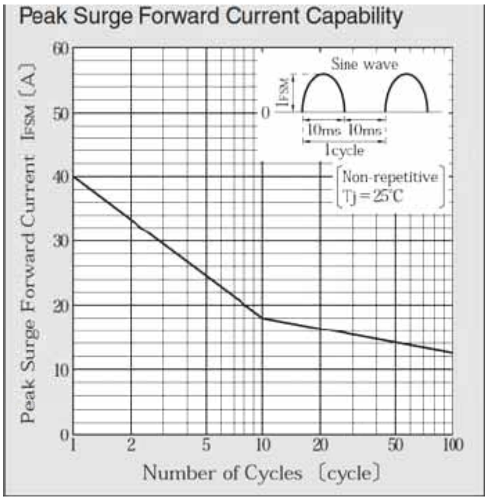
(TA=25℃ unless ontherwise noted)


Forward Voltage

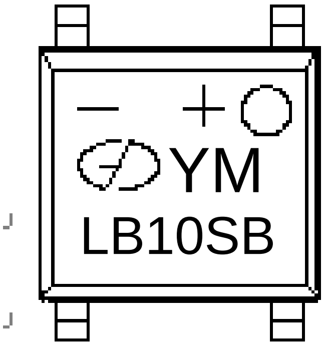

Forward Power Dissipation


Derating Curve Ta-Io


Derating Curve Tl-Io


Peak Surge Forward Current Capability

Marking



DATE CODE

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