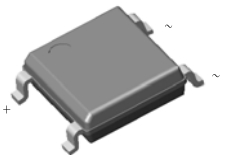
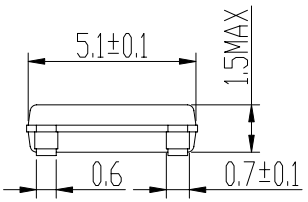
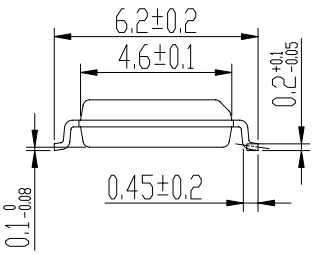
Miniature Glass Passivated Single-Phase Surface Mount Bridge Rectifiers
Reverse Voltage 200 to 1000 Volts Forward Current 1.0 Ampere

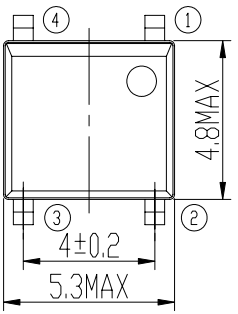


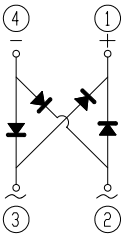
Features

- ◆ 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 ldads, solderable p
  J-STD-002B and JESD22-B102D
- ◆ Polarity:As markde on body

Maximum Ratings and Electrical Characteristics

(T_A=25 ℃ unless otherwise noted)

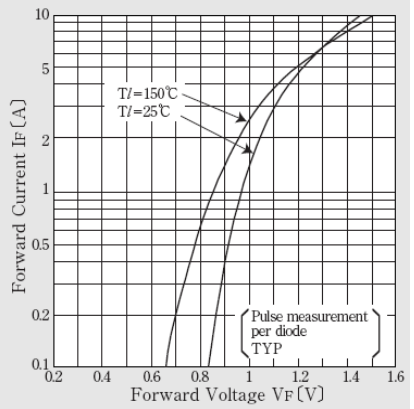
Parameter	Symbols	LB2S	LB4S	LB6S	LB8S	LB10S	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	200	400	600	800	1000	Volts
Maximum RMS voltage	V_{RMS}	140	280	420	560	700	Volts
Maximum DC blocking voltage	V_{DC}	200	400	600	800	1000	Volts
Maximum average forward output rectif ed current (see Fig.1) on glass-epoxy P.C.B. on aluminum substrate	$I_{F(AV)}$	0.8 1 0					Amp
Peak forward surge current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	30					Amps
Rat ng for fusing (t < 8.3ms)	I^2t	3					A^2sec
Maximum instantaneous forward voltage drop per leg at 0.4A	V_F	0.95					Volt
Maximum DC reverse current at rated DC blocking voltage per leg T_A = 25°C T_A = 125°C	I_R	5.0 500					uA
Typical thermal resistance per leg (Note 1)	$R_{\theta JA}$ $R_{\theta JL}$	85 25					°C/W
Typical junct on capacitance per leg at 4.0V, 1.0MHz	C_J	13					pF
Operating junction and storage temperature range	T_J, T_{STG}	-55 to +150					°C

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

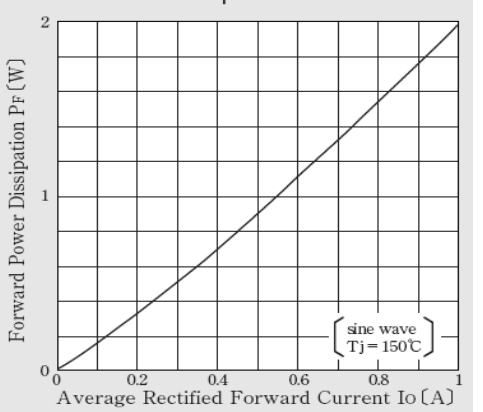
RATINGS AND CHARACTERISTIC CURVES

(TA=25℃ unless ontherwise noted)

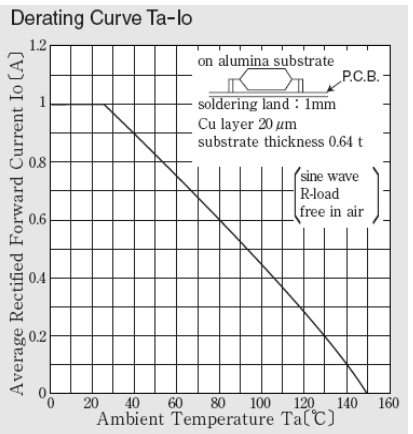
Forward Voltage



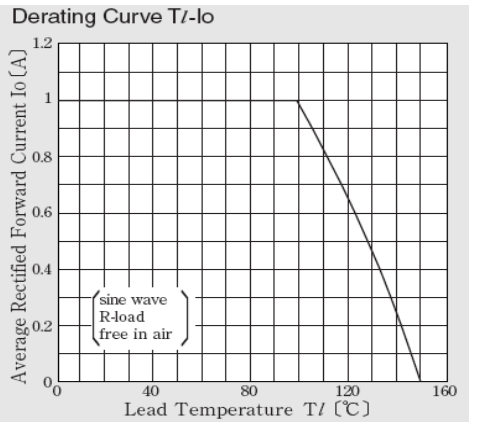
Forward Power Dissipation



Derating Curve Ta-Io



Derating Curve TJ-Io



Peak Surge Forward Current Capability