

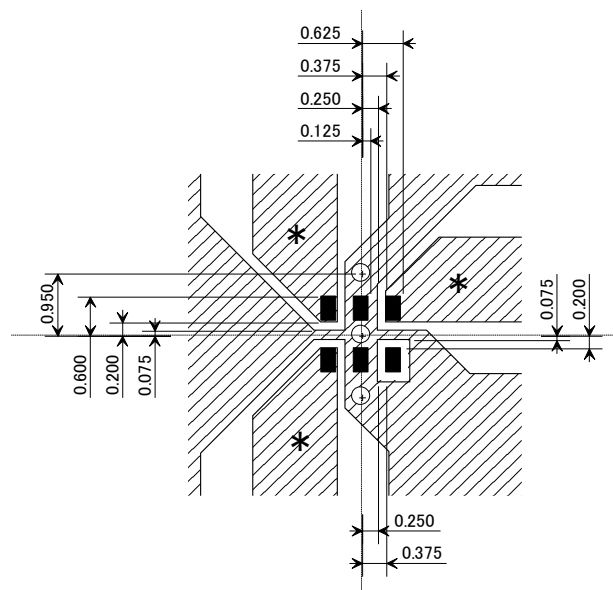
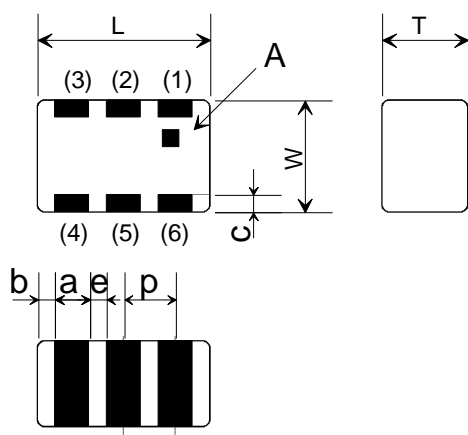
BALUN

1. Characteristics (at -40 ~ +85 °C)

Part Number	LDB181G6BAA2A002
Frequency Range (BW)	673.00 ~ 2700.00 MHz
Insertion Loss in BW	1.80 dB max. at 25 °C 2.00 dB max. at -40 ~ +85 °C
Unbalance Port Impedance	50 Ω (Nominal)
Balance Impedance (differential)	100 Ω (Nominal)
Unbalance Port V.S.W.R. in BW	2.45 (max.) (Balance Port Termination : 100 Ω)
Amplitude Balance	1.50 dB max.
Phase Differential	180.0 +/- 17.0 deg
Power Capacity	0.5 W max.

2. Construction, Dimensions & Marking

3. Land Pattern



(in mm)

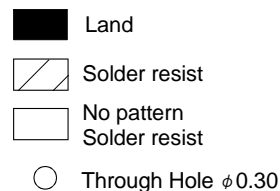
Mark	Meaning
A	Directional Input Mark

(in mm)

Mark	Dimension	Mark	Dimension	Mark	Dimension
L	1.6±0.1	a	0.2±0.1	e	0.3±0.1
W	0.8±0.1	b	0.2+0.1/-0.15	p	0.50±0.05
T	0.7 max.	c	0.15±0.10	-	-

TERMINAL CONFIGURATION

Terminal No.	Terminal Name	Terminal No.	Terminal Name
(1)	Unbalance Port	(4)	Balance Port
(2)	GND	(5)	GND
(3)	Balance Port	(6)	NC



*Line width to be designed to match 50Ω characteristic impedance, depending on PCB material and thickness.

 **CAUTION**

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Please make sure that your product has been evaluated and confirmed from the aspect of the fitness for the specifications of our product when our product is mounted to your product.

All the items and parameters in this product specification/datasheet/catalog have been prescribed on the premise that our product is used for the purpose, under the condition and in the environment specified in this specification. You are requested not to use our product deviating from the condition and the environment specified in this specification.

Please note that the only warranty that we provide regarding the products is its conformance to the specifications provided herein. Accordingly, we shall not be responsible for any defects in products or equipment incorporating such products, which are caused under the conditions other than those specified in this specification.

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- Aircraft equipment.
- Undersea equipment.
- Medical equipment.
- Traffic signal equipment.
- Burning / explosion control equipment
- Application of similar complexity and/ or reliability requirements to the applications listed in the above.
- Aerospace equipment
- Power plant control equipment
- Transportation equipment (vehicles, trains, ships, elevator, etc.).
- Disaster prevention / crime prevention equipment.

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When you are not able to return the signed version of specification sheet or approval sheet within 90 days from receiving date of specification sheet or approval sheet, it shall be deemed to be your consent on the content of specification sheet or approval sheet.

Customer acknowledges that engineering samples may deviate from specifications and may contain defects due to their development status. We reject any liability or product warranty for engineering samples.

In particular we disclaim liability for damages caused by

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- deviation or lapse in function of engineering sample,
- improper use of engineering samples.

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