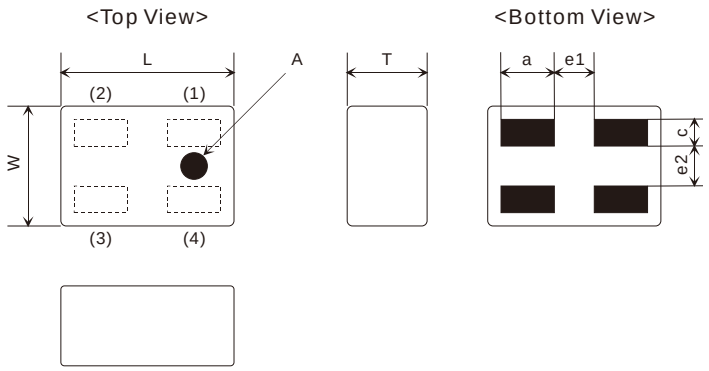
BALUN

1. Characteristics (at -40 ~ +85 °C)

Part Number	LDM0Q2G5010BE005
Frequency Range (BW)	2500.00 ± 200.00 MHz
Insertion Loss in BW (dB)	0.57 dB max. at 25 °C 0.62 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	1.80 max. (Balance Port Termination : 100 Ω)
Amplitude Balance (dB)	2.90 dB max.
Phase Differential (deg)	180 ± 16.0 deg.
Power Capacity	0.5 W max.

2. Construction, Dimensions & Marking



Mark	Meaning
A	Directional Mark

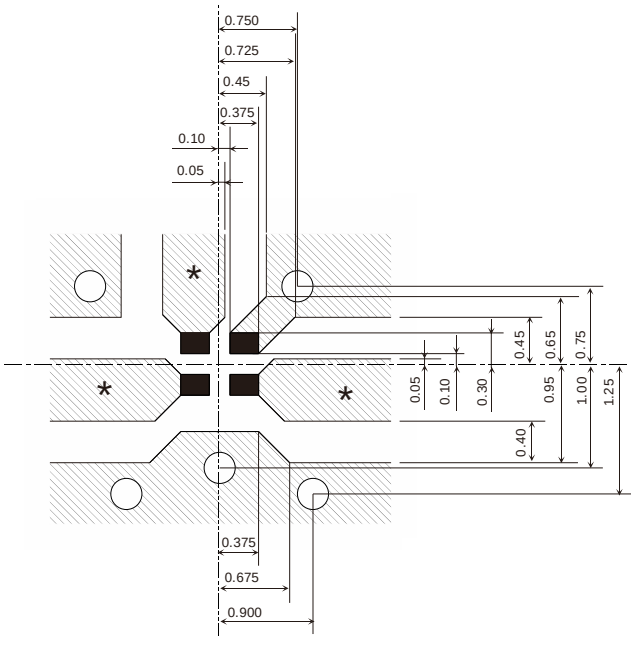
(in mm)

Mark	Dimension	Mark	Dimension
L	0.65 ± 0.05	c	0.100 ± 0.06
W	0.50 ± 0.05	e1	0.20 ± 0.05
T	0.30 max.	e2	0.20 ± 0.05
a	0.175 ± 0.050	-	-

TERMINAL CONFIGURATION

Terminal No.	Terminal Name	Terminal No.	Terminal Name
(1)	GND	(3)	Balanced Port
(2)	Unbalanced Port	(4)	Balanced Port

3. Land Pattern



(in mm)

Land
Solder resist
No pattern Solder resist
Through Hole ϕ 0.30

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

All the technical data and information contained herein are subject to change without prior notice.

⚠ CAUTION

PLEASE READ THIS NOTICE BEFORE USING OUR PRODUCTS.

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

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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.

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We reject any liability or product warranty for engineering samples.

In particular we disclaim liability for damages caused by

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