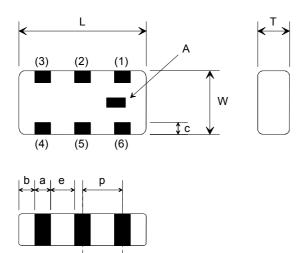


BALUN (Preliminary)

1. Characteristics (-40°C to 85°C)

Part Number	LDM182G5010YC025		
Frequency Range (BW)	2500.00 ± 200.00 MHz		
Insertion Loss in BW	0.55 dB max. at 25 °C 0.65 dB max. at -40 ~ +85 °C		
Unbalance Port Impedance	50 Ω (Nominal)		
Balance Impedance (differential)	100 Ω (Nominal)		
Amplitude Balance	1.0dB max.		
Phase Differential	180±10 deg		
Unbalance Port V.S.W.R. in BW	1.70 max. (Balance Port Termination : 100Ω)		
Power Capacity	0.5 W max.		

2. Construction, Dimensions & Marking



Mark	Meaning		
Α	Directional Input Mark		

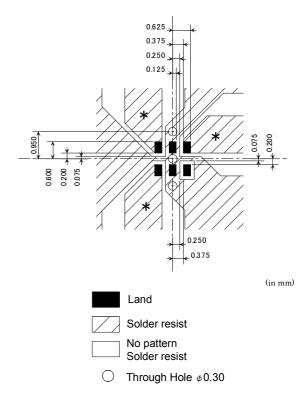
					(in mm)
Mark	Dimension	Mark	Dimension	Mark	Dimension
L	1.6±0.1	a	0.2±0.1	е	0.3±0.1
w	0.8±0.1	b	0.20±0.15	р	0.50±0.05
Т	0.4 max.	с	0.15 ± 0.10	-	-

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

* Terminal of "NC "should be fixed to the no connected pattern.

3. Land Pattern



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

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



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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.

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- Aerospace equipment - Power plant control equipment
- Transportation equipment (vehicles, trains, ships, elevator, etc.).
- Medical equipment. - 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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