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Product Search Data Sheet

Note: This datasheet may be out of date.
Please download the latest datasheet of LDB182G5010G-120 from the official website of Murata Manufacturing Co., Ltd.
https://www.murata.com/en-global/products/productdetail?partno=LDB182G5010G-120

# LDB182G5010G-120

In Production | Recommended | RoHS | REACH
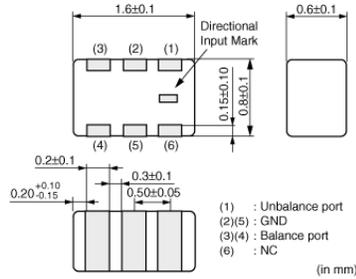
## Appearance & Shape



## Features

Chip type SMD baluns constructed with copper conductor and ceramic material.
Ideal for high-frequency applications.
Small-size and low-loss baluns can be customized for the balance impedance of 50ohm to 200ohm.

1. Available in the 2300MHz to 2700MHz frequency range.
2. Impedance at balanced terminals is 100ohm.
3. Small, Low-profiled SMD.
4. Low loss.
5. Available in tape and reel packing for automatic mounting.

## Packaging Information

| Packaging | Specifications | Minimum Order Quantity |
|---|---|---|
| - | 180mm Paper Tape | 4000 |

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URL : https://www.murata.com/

Last updated : 2018/09/28

# LDB182G5010G-120

## Specifications
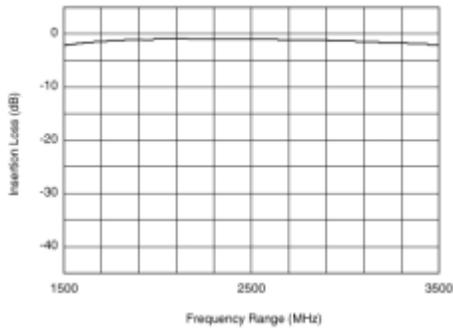
| | |
|---|---|
| Applications | WLAN |
| Center Frequency | 2500.00MHz |
| Frequency Range | 2300.00MHz to 2700.00MHz |
| Insertion Loss I) | 1.10dB max. (at 25℃) |
| Insertion Loss II) | 1.20dB max. (-40 to +85℃) |
| Unbalance Impedance (Nom.) | 50Ω |
| Balance Impedance (Differential) (Nom.) | 100Ω |
| Unbalance Port VSWR | 2.00 max. (Balance Port:at 100ohm) |
| Power Capacity | 0.5W |
| Operating Temperature Range | -40℃ to 85℃ |
| L x W (size) | 1.60x0.80mm |
| Thickness(max.) | 0.7mm |

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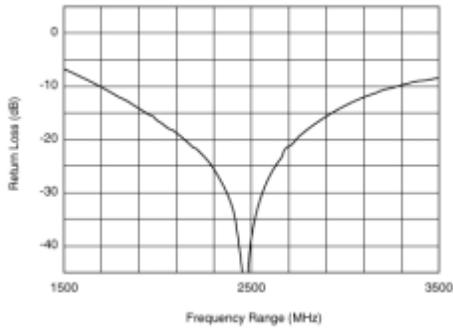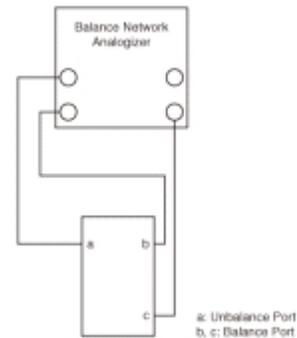
# LDB182G5010G-120

## Product Data



Insertion Loss Characteristics
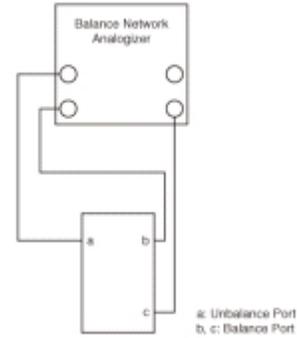


Measurement Circuit of Insertion Loss



Characteristics of Unbalance Port VSWR



Measurement Circuit of Unbalance Port VSWR

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