

DLP11TB800UL2#

“#” at the end indicates the package specification code.

Discontinued

RoHS

REACH

< List of part numbers with package codes >

DLP11TB800UL2B

DLP11TB800UL2L

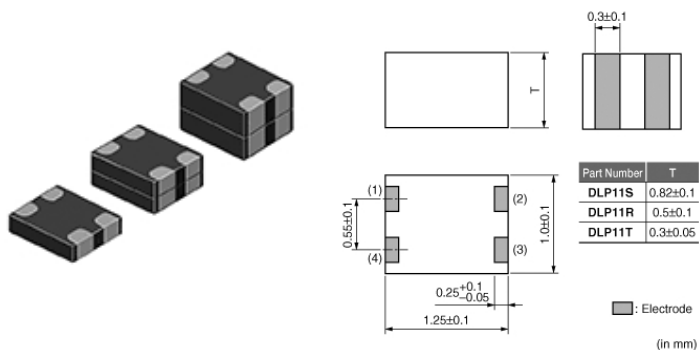
Applications

| | |
|--------------------------|--|
| Unsuitable Applications | Please be sure to read and comply with these "Precautions for use." |
| Specific Applications | <p>Consumer equipment, Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy equipment</p> <p>Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product.</p> |
| Recommended Applications | Consumer equipment |

Packaging Information

| Packaging | Specifications | Standard Packing Quantity |
|-----------|---------------------|---------------------------|
| B | Bulk(Bag) | 500 |
| L | 180mm Embossed Tape | 5000 |

Appearance & Shape



Attention

1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

2.This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

DLP11TB800UL2#

“#” at the end indicates the package specification code.



Features

Features

1. Small and low profile of 1.25 x 1.0mm x 0.3mm.
Suitable for high density mounting.
2. High magnetic coupling factor ($k \geq 0.98$) enables effective noise suppression without damaging to high speed differential signal waveform.
3. Designed to match line impedance.
4. Improved differential mode cutoff frequency to meet higher speed differential signal lines such as USB3.0 Super Speed.
Cutoff frequency (7GHz typ).

Application

Common mode noise suppression for high speed differential signal lines in compact mobile equipments such as digital cameras, note pcs and mobile phones

Attention

1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

2.This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

DLP11TB800UL2#

“#” at the end indicates the package specification code.



Specifications

| | |
|--|---------------|
| Shape | SMD |
| Size Code (in mm) | 1210 |
| Size Code (in inch) | 0504 |
| Length | 1.25mm |
| Length Tolerance | ±0.1mm |
| Width | 1.0mm |
| Width Tolerance | ±0.1mm |
| Thickness | 0.3mm |
| Thickness Tolerance | ±0.05mm |
| Common Mode Impedance (at 100MHz) | 80Ω |
| Common Mode Impedance (at 100MHz) Tolerance | ±25% |
| Rated Current | 100mA |
| Derating of Rated Current | No |
| Rated Voltage | 5Vdc |
| Withstanding Voltage | 12.5Vdc |
| DC Resistance(max.) | 1.88Ω |
| DC Resistance | 1.5Ω±25% |
| Insulation Resistance(min.) | 100MΩ |
| Operating Temperature Range | -40°C to 85°C |
| Mass(typ.) | 0.002g |
| Number of Circuit | 1 |
| Operating Temperature Range(Self-temperature rise is included) | No |
| Brand | Murata |

Attention

1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

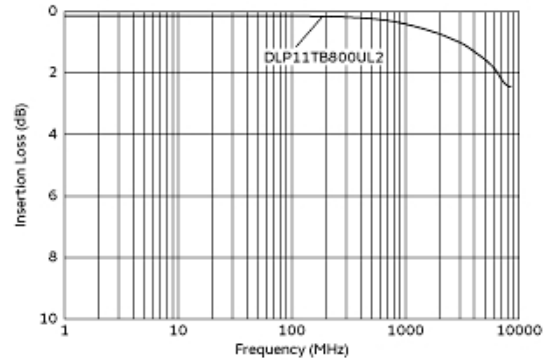
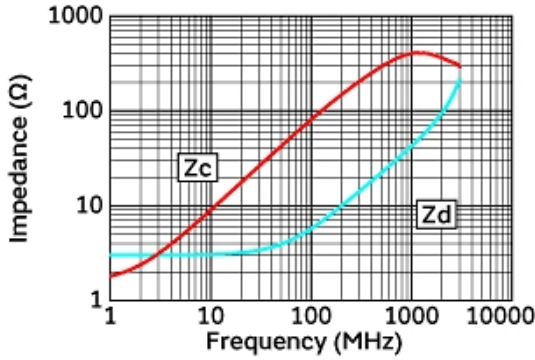
2.This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

DLP11TB800UL2#

“#” at the end indicates the package specification code.

Product Data



Impedance-Frequency Characteristics

Differential Mode Transmission Characteristics (Typical Value)

Equivalent Circuit (Note 1)



Note1: The Port/Pin No. of the Simulation Model provided by our company is as follows.



S-parameter: Port 1, 2
SPICE model: Pin 1, 2 (Pin 5* connect to GND)

Equivalent Circuit

Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

2. This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.