

# DLP11RN450UL2#

“#” indicates a package specification code.

To be discontinued

RoHS

REACH

## < List of part numbers with package codes >

DLP11RN450UL2B

DLP11RN450UL2L

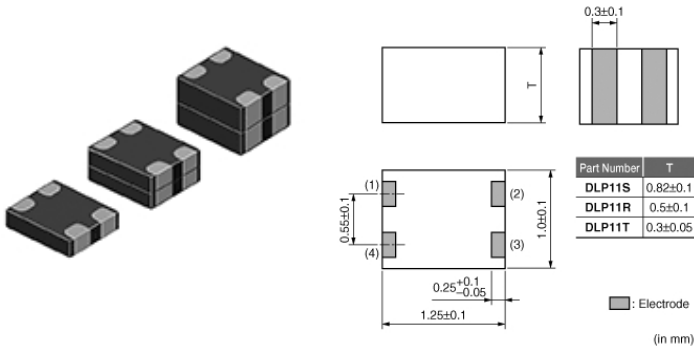
## Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer equipment, Medical [Ask Murata] 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.

## Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	500
L	180mm Embossed Tape	4000

## Appearance & Shape



### Attention

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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.

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## Features

1. Small size and tight dimension.  
(L×W = 1.25×1.0mm T = 0.5+/-0.1mm)
2. Low Rdc.
3. High magnetic coupling factor ( $k \geq 0.98$ ) enables effective noise suppression without damaging to high speed differential signal waveform.
4. Designed to match line impedance (90Ω) such as USB.
5. Lower DC resistance than conventional film type common mode choke coil enables lower damping to waveform.

### Applications

Common mode noise suppression for high speed differential signal lines (ex. USB2.0) in compact mobile equipments such as digital cameras, note PCs and mobile phones.

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## Specifications

Brand	Murata
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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	0.5mm
Thickness Tolerance	±0.1mm
Common Mode Impedance (at 100MHz)	45Ω
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.)	1Ω
DC Resistance	0.8Ω±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

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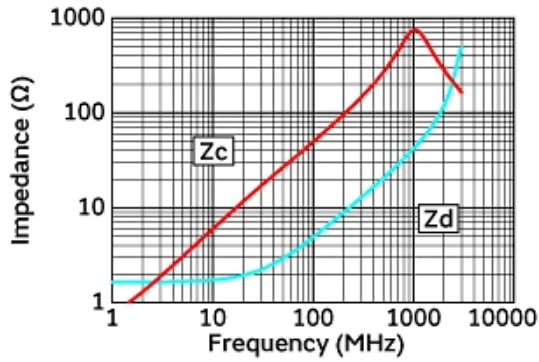
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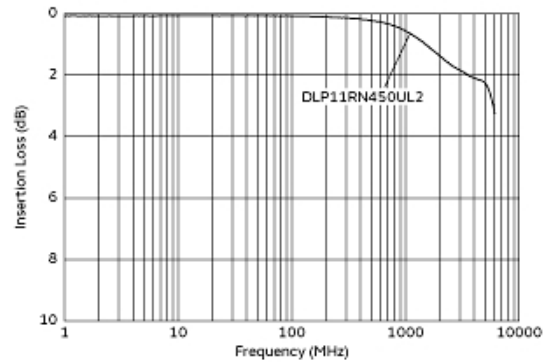
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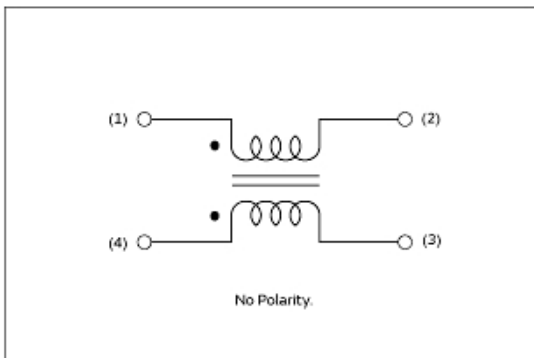
## Product Data



Impedance-Frequency Characteristics



Differential Mode Transmission Characteristics  
(Typical Value)



Equivalent Circuit

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