

DLP11RN450UL2#

“#” indicates a package specification code.

To be discontinued

RoHS

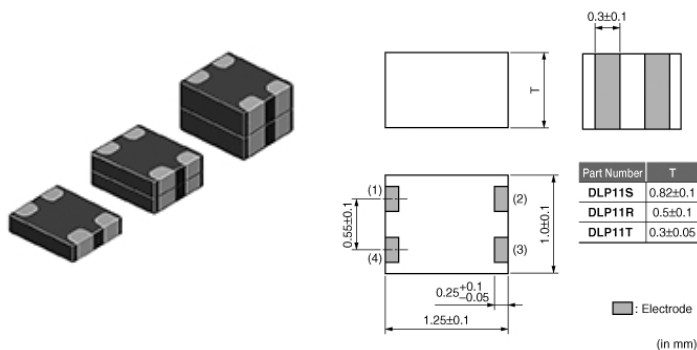
REACH

< List of part numbers with package codes >

DLP11RN450UL2B

DLP11RN450UL2L

Appearance & Shape



Features

1. Small size and tight dimension.
($L \times W = 1.25 \times 1.0$ mm $T = 0.5 \pm 0.1$ mm)
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.

Applications

Other Usage	For general
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Packaging Information

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

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.

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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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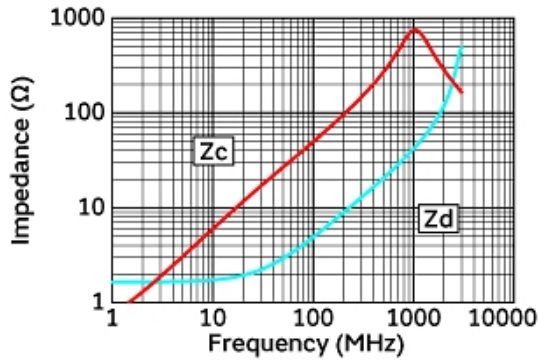
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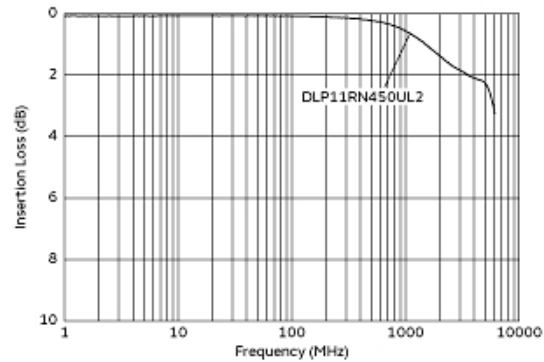
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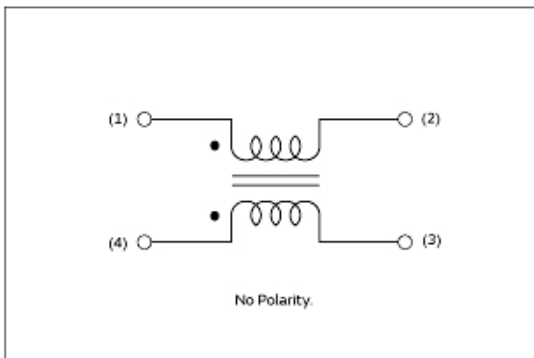
Product Data



Impedance-Frequency Characteristics



Differential Mode Transmission Characteristics
(Typical Value)



Equivalent Circuit

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