

Product Search Data Sheet

Note: If you have not downloaded this document from our official website, please note that the information provided may not be the most current.

Please download the latest datasheet of NFP0RSN122HL2# from the official website of Murata

http://www.murata.com/en-gb/products/productdetail?partno=NFP0RSN122HL2%23

### "#"at the end indicates the package specification code.

Discontinued

RoHS REACH

NFP0RSN122HL2#

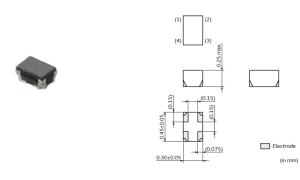
## < List of part numbers with package codes > NFP0RSN122HL2B NFP0RSN122HL2D



## Applications

Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
	Consumer Electronics - Differential	
	Transmission,Medical equipment [GHTF	
	A/B/C] except for implant & surgery &	
	auto injector,Industrial equipment	
	except for transportation & facility &	
	energy equipment	
Specific	Please refer to Our Website and	
Applications	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.	
Recommended	Consumer equipment	
Applications		

## Appearance & Shape





# Packaging Information

Packaging	Specifications	Standard Packing Quantity
В	Bulk(Bag)	500
D	180mm Paper Tape	15000



## Features

- 1. Small size and tight dimensional tolerance Size: 0.45x0.30x0.25mm
- 2. Common mode noise suppression effect
- (The effect become maximum at 1.1GHz and 1.2GHz)
- 3. Prevents signal damaging in high speed differential lines.
- 4. Designed to match line impedance.

#### ■Application

Common mode noise suppression of high speed differential signal lines for mipi, USB 2.0, IEEE1394, LVDS etc.

- 1. Note PCs
- 2. Cellular phones
- 3. Digital Still Cameras, Digital Video Cameras

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#### Attention

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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





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# Specifications

NFP0RSN122HL2#

Shape	SMD
Size Code (in mm)	0403
Size Code (in inch)	018012
Length	0.45mm
Length Tolerance	±0.05mm
Width	0.3mm
Width Tolerance	±0.05mm
Thickness	0.25mm
Thickness Tolerance	max.
Common Mode Impedance (at 100MHz)	65Ω
Common Mode Impedance (at 100MHz) Tolerance	(Тур.)
Common Mode Insertion Loss Characteristic	9dB Typ.(240MHz), 19dB Typ. (700MHz), 22dB Typ. (900MHz),24dB Typ.(1.7GHz), 20dB Typ.(2.4GHz)
Rated Current	50mA
Derating of Rated Current	No
Rated Voltage	5Vdc
Withstanding Voltage	12.5Vdc
DC Resistance(max.)	3.9Ω
DC Resistance	3.0Ω±30%
Insulation Resistance(min.)	100ΜΩ
Cut-off Frequency	4.5GHz (Typ.)
Operating Temperature Range	-40°C to 85°C
Mass(typ.)	0.2mg

Number of Circuit	1
Operating Temperature Range(Self-temperature rise is included)	No
Brand	Murata

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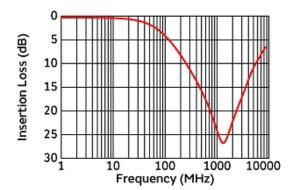
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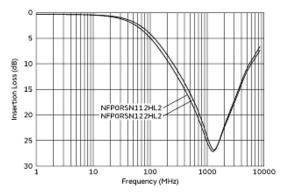
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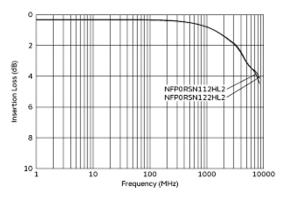




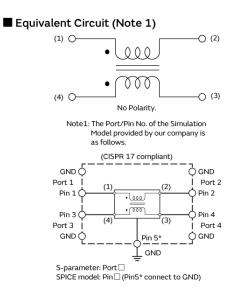
**Common Mode Insertion Loss Characteristic** (Typical Value)



**Common Mode Insertion Loss Characteristic** (Main Items)(Typical Value)



**Differential Mode Transmission Characteristics** (Typical Value)



Equivalent Circuit

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