

NFP0NCN162HL3#

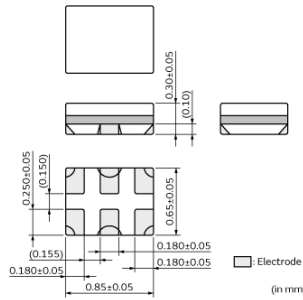
“#” indicates a package specification code.



< List of part numbers with package codes >

NFP0NCN162HL3B NFP0NCN162HL3D

Appearance & Shape



Features

1. Small size and tight dimensional tolerance
Size: 0.85×0.65×0.30mm
Tolerance: ±0.05mm
2. Common mode noise suppression effect
(The effect become maximum at 1.0GHz to 2.0GHz)
3. Compatible with high speed, large-capacity new transmission standard MIPI C-PHY.
(Prevents signal damaging.)
4. Designed to match line impedance.

Application

Common mode noise suppression of high speed differential signal lines for mipi, C-PHY.

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

Applications

Other Usage	For general
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Packaging Information

Packaging	Specifications	Minimum Order Quantity
B	Bulk(Bag)	500
D	180mm Paper Tape	15000

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.
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Specifications

Shape	SMD	Insulation Resistance(min.)	100MΩ
Size Code (in mm)	0806	Cut-off Frequency	7.0GHz (Typ.)
Size Code (in inch)	03025	Operating Temperature Range	-40°C to 85°C
Length	0.85mm	Mass(typ.)	0.0008g
Length Tolerance	±0.05mm	Number of Circuit	1
Width	0.65mm	Operating Temperature Range(Self-temperature rise is included)	No
Width Tolerance	±0.05mm		
Thickness	0.3mm		
Thickness Tolerance	±0.05mm		
Common Mode Impedance (at 100MHz)	30Ω		
Common Mode Impedance (at 100MHz) Tolerance	(Typ.)		
Common Mode Insertion Loss Characteristic	17dB Typ.(700MHz), 20dB Typ.(900MHz), 28dB Typ.(1.7GHz), 22dB Typ.(2.4GHz)		
Rated Current	100mA		
Rated Voltage	5Vdc		
Withstanding Voltage	12.5Vdc		
DC Resistance(max.)	2.99Ω		
DC Resistance	2.3Ω±30%		

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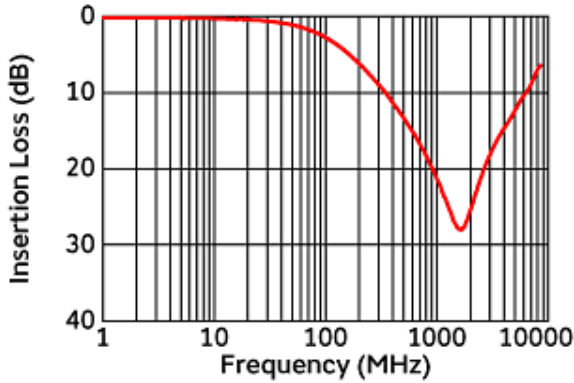
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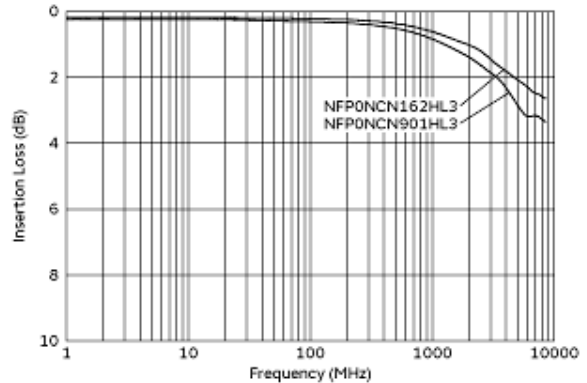
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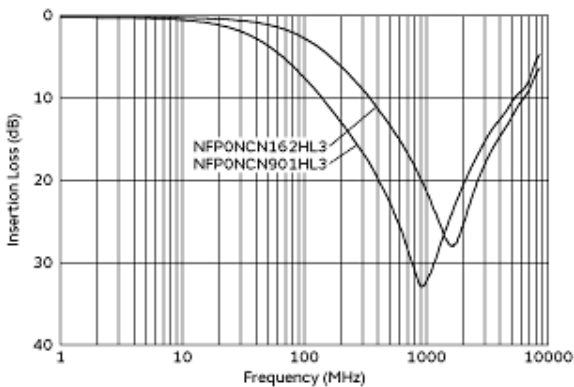
Product Data



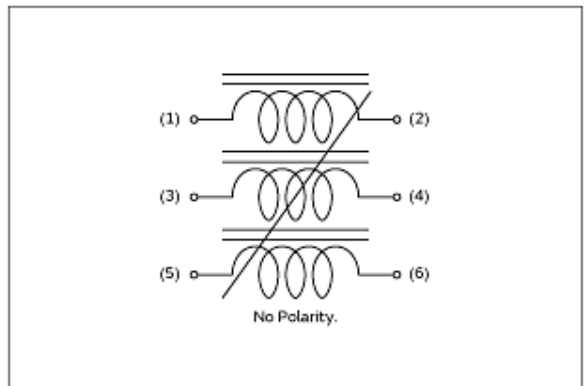
Common Mode Insertion Loss Characteristic (Typical Value)



Differential Mode Transmission Characteristics (Typical Value)



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



Equivalent Circuit

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