

# NFG0NCN162HL3#

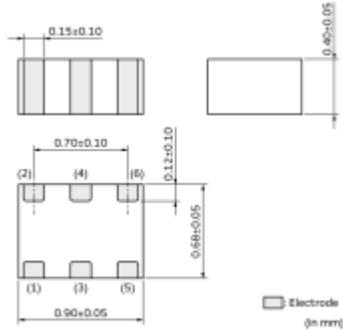
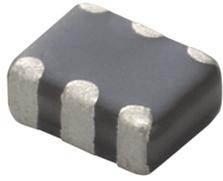
"#" indicates a package specification code.



< List of part numbers with package codes >

NFG0NCN162HL3D NFG0NCN162HL3B

## Appearance & Shape



## Features

1. Small size and tight dimensional tolerance  
Size: 0.90x0.68x0.40mm  
Tolerance: +/-0.05mm
2. Common mode noise suppression effect  
(The effect become maximum at 1.0GHz to 3.0GHz)
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

Limited Usage	For differential signal interface line
Other Usage	For general

## Packaging Information

Packaging	Specifications	Minimum Order Quantity
D	180mm Paper Tape	10000
B	Bulk(Bag)	500

### 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.

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## Specifications

Shape	SMD	Insulation Resistance(min.)	10MΩ
Size Code (in mm)	0806	Cut-off Frequency	4.0GHz (Typ.)
Size Code (in inch)	03025	Operating Temperature Range	-40°C to 85°C
Length	0.9mm	Mass(typ.)	0.87mg
Length Tolerance	±0.05mm	Number of Circuit	1
Width	0.68mm	Operating Temperature Range(Self-temperature rise is included)	No
Width Tolerance	±0.05mm		
Thickness	0.4mm		
Thickness Tolerance	±0.05mm		
Common Mode Impedance (at 100MHz)	25Ω		
Common Mode Impedance (at 100MHz) Tolerance	±25%		
Common Mode Insertion Loss Characteristic	19dB Typ.(800MHz), 22dB Typ.(1GHz), 29dB Typ.(1.6GHz)		
Rated Current	100mA		
Rated Voltage	5Vdc		
Withstanding Voltage	12.5Vdc		
DC Resistance(max.)	1.85Ω		
DC Resistance	1.85Ω±25%		

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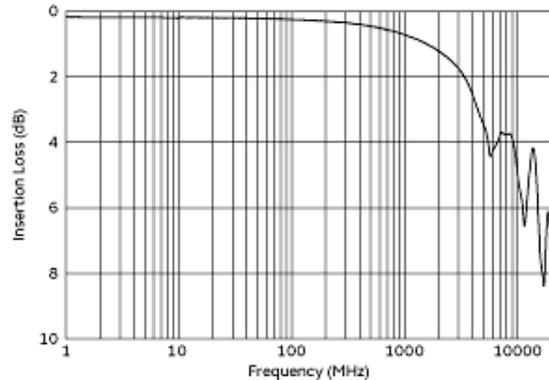
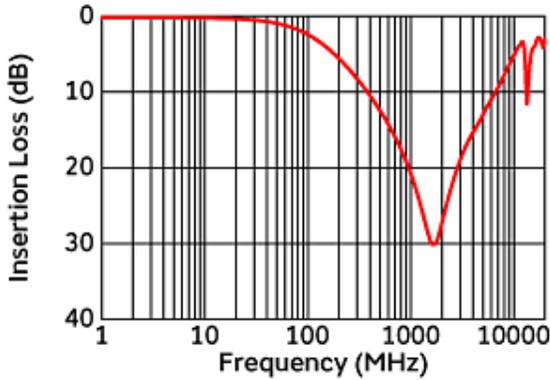
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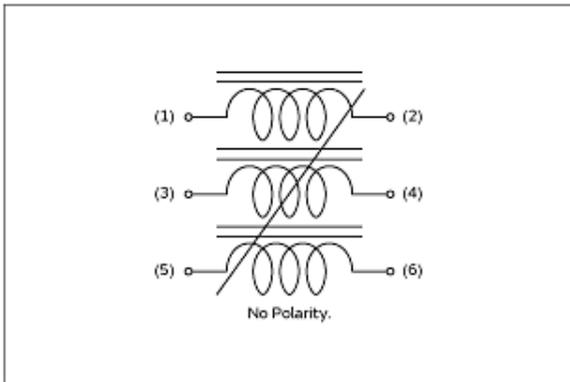
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## Product Data



Common Mode Insertion Loss Characteristic (Typical Value)

Differential Mode Transmission Characteristics (Typical Value)



Equivalent Circuit

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