

# NFP0QSN122HL2#

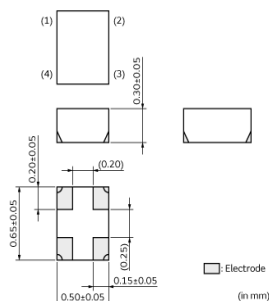
“#” indicates a package specification code.

In Production Recommended RoHS REACH

< List of part numbers with package codes >

NFP0QSN122HL2B NFP0QSN122HL2D

## Appearance & Shape



## Features

1. Small size and tight dimensional tolerance  
Size: 0.65x0.50x0.30mm  
Tolerance: +/-0.05mm
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

## 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

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## Specifications

Shape	SMD	DC Resistance	2.7Ω±30%
Size Code (in mm)	0605	Insulation Resistance(Min.)	100MΩ
Size Code (in inch)	025020	Cut-off Frequency	5.1GHz (Typ.)
Length	0.65mm	Operating Temperature Range	-40°C to 85°C
Length Tolerance	±0.05mm	Mass(Typ.)	0.5mg
Width	0.5mm	Number of Circuit	1
Width Tolerance	±0.05mm	Operating Temperature Range(Self-temperature rise is included)	No
Thickness	0.3mm		
Thickness Tolerance	±0.05mm		
Common Mode Impedance (at 100MHz)	65Ω		
Common Mode Impedance (at 100MHz) Tolerance	(Typ.)		
Common Mode Insertion Loss Characteristic	12dB Typ.(240MHz), 23dB Typ.(700MHz), 26dB Typ.(900MHz), 25dB Typ.(1.7GHz), 21dB Typ.(2.4GHz)		
Rated Current	100.0mA		
Rated Voltage	5Vdc		
Withstanding Voltage	12.5Vdc		
DC Resistance(Max.)	3.51Ω		

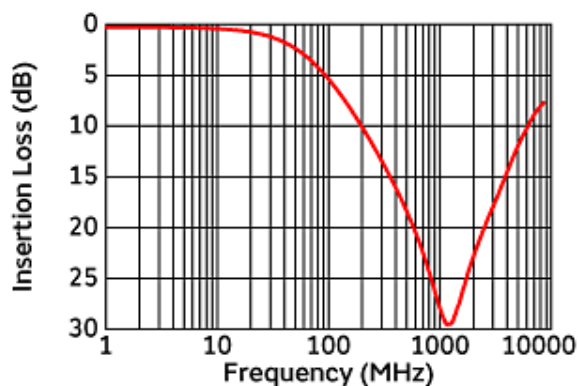
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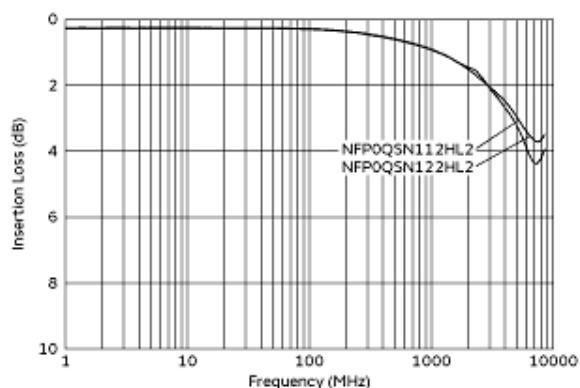
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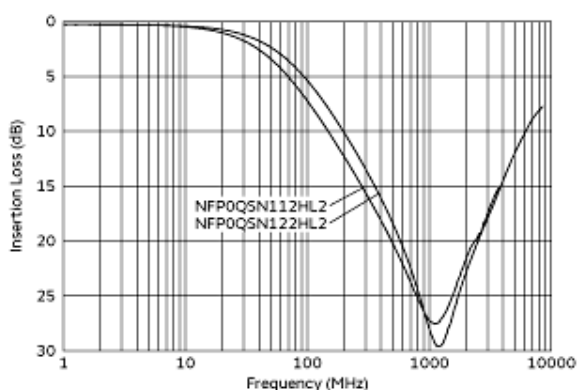
## Product Data



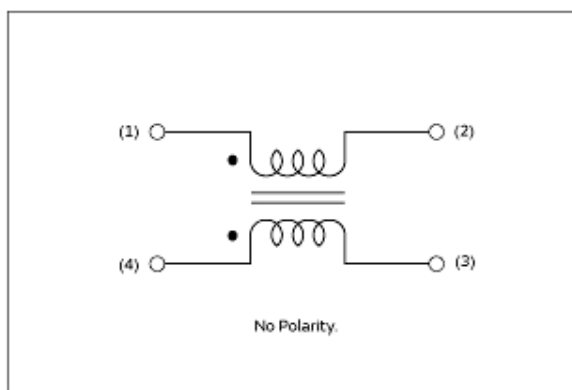
Common Mode Insertion Loss Characteristic(Typ.)



Differential Mode Transmission Characteristics (Typ.)



Common Mode Insertion Loss Characteristic (Main Items)(Typ.)



Equivalent Circuit

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