

NFP0QHB242HS2#

Note: This datasheet may be out of date.

Please download the latest datasheet of NFP0QHB242HS2# from the official website of Murata Manufacturing Co., Ltd.

<http://www.murata.com/en-sg/products/productdetail?partno=NFP0QHB242HS2%23>

“#” indicates a package specification code.

To be discontinued

RoHS

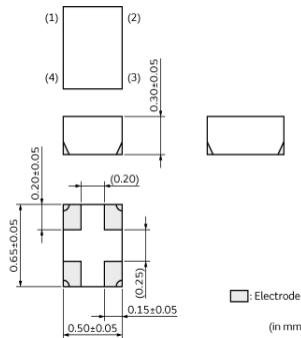
REACH

< List of part numbers with package codes >

NFP0QHB242HS2B

NFP0QHB242HS2D

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 2.4GHz, 3.7GHz and 5.4GHz)
3. Prevents signal damaging in high speed differential lines.
4. Designed to match line impedance.

■ Application

High speed differential signal lines.
HDMI,DVI,DisplayPort,USB3.0 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	Standard Packing Quantity
B	Bulk(Bag)	500
D	180mm Paper Tape	15000

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Specifications

Shape	SMD
Size Code (in mm)	0605
Size Code (in inch)	025020
Length	0.65mm
Length Tolerance	±0.05mm
Width	0.5mm
Width Tolerance	±0.05mm
Thickness	0.3mm
Thickness Tolerance	±0.05mm
Common Mode Insertion Loss Characteristic	27dB Typ.(2.0GHz), 43dB Typ. (2.4GHz), 23dB Typ.(3.0GHz)
Rated Current	100mA
Derating of Rated Current	No
Rated Voltage	5Vdc
Withstanding Voltage	12.5Vdc
DC Resistance(max.)	2.21Ω
DC Resistance	1.7Ω±30%
Insulation Resistance(min.)	100MΩ
Cut-off Frequency	8.5GHz (Typ.)
Operating Temperature Range	-40°C to 85°C
Mass(typ.)	0.4mg
Number of Circuit	1
Operating Temperature Range(Self-temperature rise is included)	No

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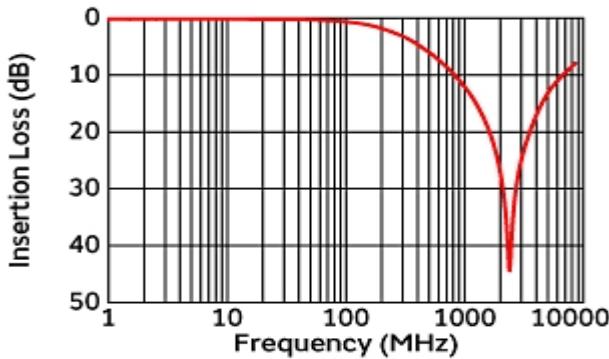
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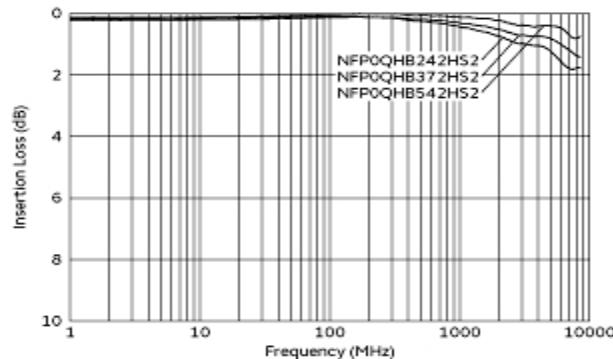
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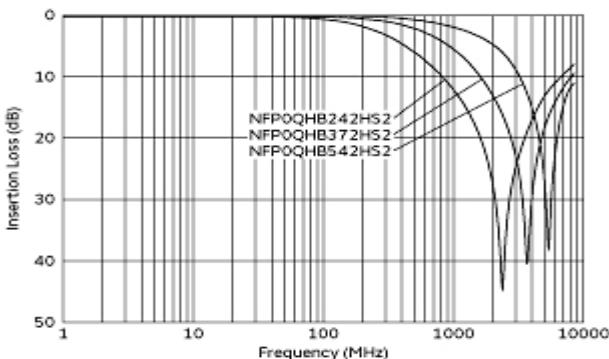
Product Data



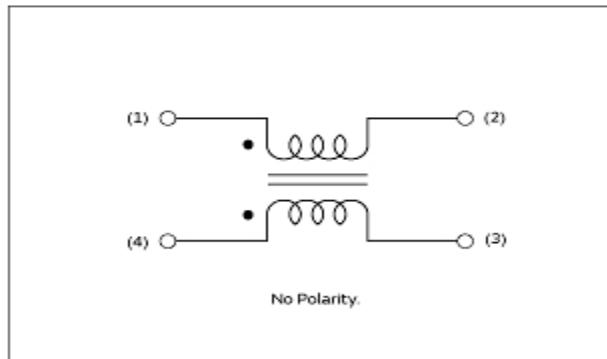
Common Mode Insertion Loss Characteristic
(Typical Value)



Differential Mode Transmission Characteristics
(Typical Value)



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



Equivalent Circuit

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