

NFP0QHB542HS2#

Note: This datasheet may be out of date. Please download the latest datasheet of NFP0QHB542HS2# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=NFP0QHB542HS2%23

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

Discontinued RoHS

IS REACH

< List of part numbers with package codes > NFP0QHB542HS2B NFP0QHB542HS2D

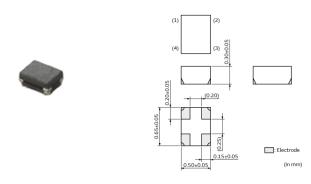


Applications

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



Appearance & Shape





Packaging Information

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



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

1 of 3

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.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering





NFP0QHB542HS2#

Note: This datasheet may be out of date. Please download the latest datasheet of NFP0QHB542HS2# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=NFP0QHB542HS2%23

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



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	30dB Typ.(5.0GHz), 40dB Typ. (5.4GHz), 25dB Typ.(6.0GHz)
Rated Current	100mA
Derating of Rated Current	No
Rated Voltage	5Vdc
Withstanding Voltage	12.5Vdc
DC Resistance(max.)	1.95Ω
DC Resistance	1.5Ω±30%
Insulation Resistance(min.)	100ΜΩ
Cut-off Frequency	10GHz (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
Brand	Murata

2 of 3

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.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.





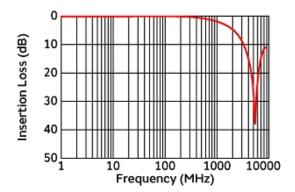
NFP0QHB542HS2#

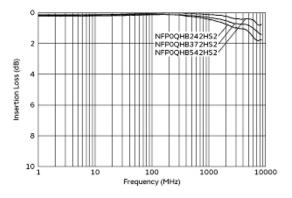
Note: This datasheet may be out of date. Please download the latest datasheet of NFP0QHB542HS2# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=NFP0QHB542HS2%23

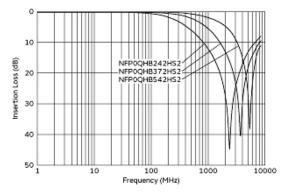
"#"at the end indicates the package specification code.

Product Data



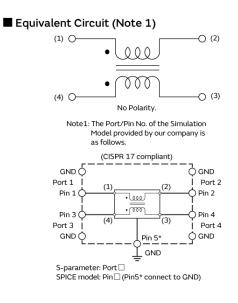


Common Mode Insertion Loss Characteristic (Typical Value)



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

Differential Mode Transmission Characteristics (Typical Value)



Equivalent Circuit

3 of 3

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.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering

INNOVATOR IN ELECTRONICS