

# NFP0QHB372HS2#

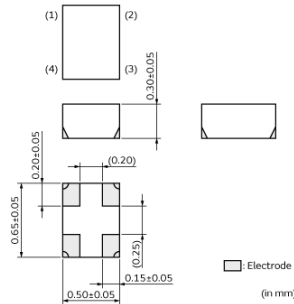
“#” indicates a package specification code.

In Production RoHS REACH

< List of part numbers with package codes >

NFP0QHB372HS2B NFP0QHB372HS2D

## Appearance & Shape



## Features

1. Small size and tight dimensional tolerance  
Size: 0.65x0.50x0.30mm  
Tolerance:  $\pm 0.05$ mm
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

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

## Packaging Information

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

### Attention

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## Specifications

|                                           |                                                         |                                                                |               |
|-------------------------------------------|---------------------------------------------------------|----------------------------------------------------------------|---------------|
| Shape                                     | SMD                                                     | Operating Temperature Range                                    | -40°C to 85°C |
| Size Code (in mm)                         | 0605                                                    | Mass(typ.)                                                     | 0.4mg         |
| Size Code (in inch)                       | 025020                                                  | Number of Circuit                                              | 1             |
| Length                                    | 0.65mm                                                  | Operating Temperature Range(Self-temperature rise is included) | No            |
| Length Tolerance                          | ±0.05mm                                                 |                                                                |               |
| Width                                     | 0.5mm                                                   |                                                                |               |
| Width Tolerance                           | ±0.05mm                                                 |                                                                |               |
| Thickness                                 | 0.3mm                                                   |                                                                |               |
| Thickness Tolerance                       | ±0.05mm                                                 |                                                                |               |
| Common Mode Insertion Loss Characteristic | 15dB Typ.(2.4GHz), 40dB Typ.(3.7GHz), 15dB Typ.(6.0GHz) |                                                                |               |
| Rated Current                             | 100mA                                                   |                                                                |               |
| Rated Voltage                             | 5Vdc                                                    |                                                                |               |
| Withstanding Voltage                      | 12.5Vdc                                                 |                                                                |               |
| DC Resistance(max.)                       | 2.86Ω                                                   |                                                                |               |
| DC Resistance                             | 2.2Ω±30%                                                |                                                                |               |
| Insulation Resistance(min.)               | 100MΩ                                                   |                                                                |               |
| Cut-off Frequency                         | 10GHz (Typ.)                                            |                                                                |               |

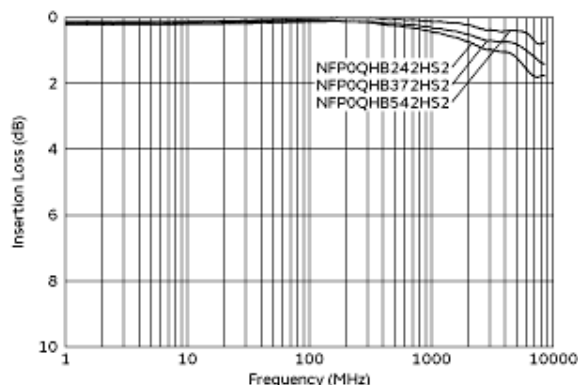
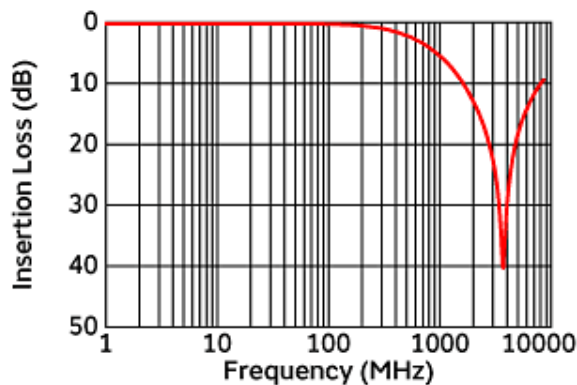
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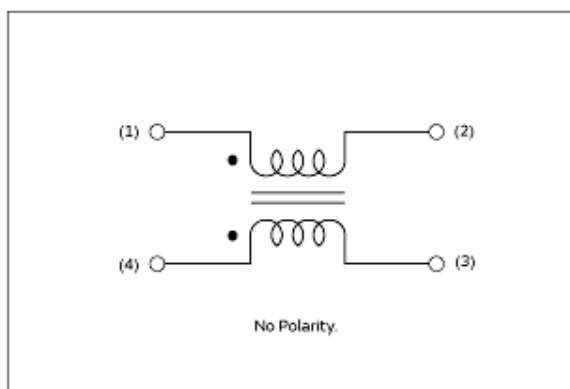
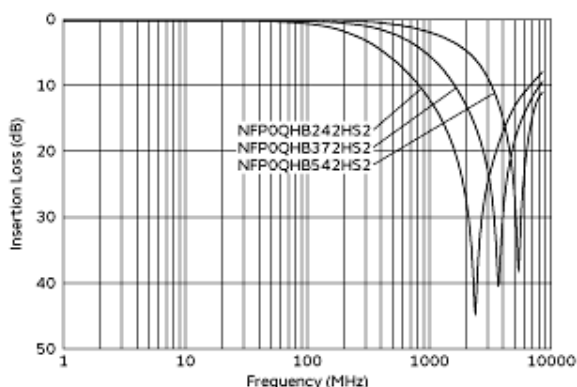
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## Product Data



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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