

# NFP0QSB132HL2#

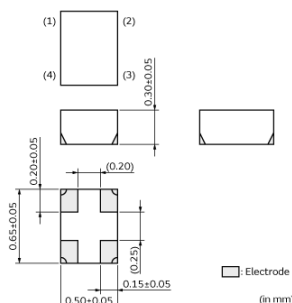
“#” indicates a package specification code.

In Production RoHS REACH

< List of part numbers with package codes >

NFP0QSB132HL2B NFP0QSB132HL2D

## 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 1.3GHz)
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                                                                                           | DC Resistance                                                  | 2.0Ω±30%      |
| Size Code (in mm)                           | 0605                                                                                          | Insulation Resistance(min.)                                    | 100MΩ         |
| Size Code (in inch)                         | 025020                                                                                        | Cut-off Frequency                                              | 7.5GHz (Typ.) |
| Length                                      | 0.65mm                                                                                        | Operating Temperature Range                                    | -40°C to 85°C |
| Length Tolerance                            | ±0.05mm                                                                                       | Mass(typ.)                                                     | 0.456mg       |
| 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)           | 90Ω                                                                                           |                                                                |               |
| Common Mode Impedance (at 100MHz) Tolerance | (Typ.)                                                                                        |                                                                |               |
| Common Mode Insertion Loss Characteristic   | 20dB Typ.(700MHz), 23dB Typ.(900MHz), 25dB Typ.(1.7GHz), 22dB Typ.(2.4GHz), 14dB Typ.(5.0GHz) |                                                                |               |
| Rated Current                               | 100mA                                                                                         |                                                                |               |
| Rated Voltage                               | 5Vdc                                                                                          |                                                                |               |
| Withstanding Voltage                        | 12.5Vdc                                                                                       |                                                                |               |
| DC Resistance(max.)                         | 2.6Ω                                                                                          |                                                                |               |

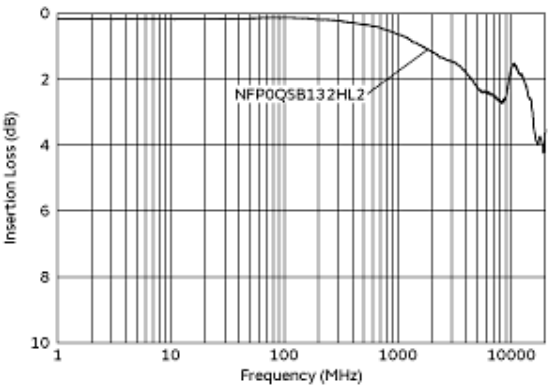
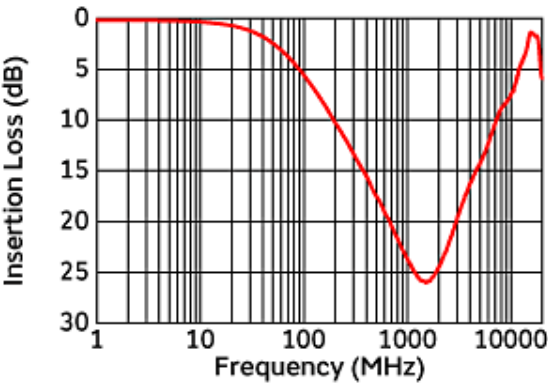
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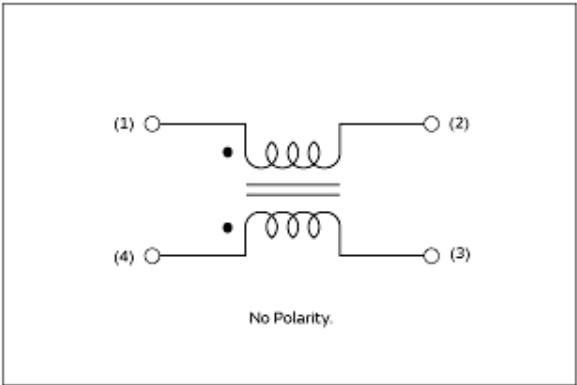
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## Product Data



Common Mode Insertion Loss Characteristic (Typical Value)

Differential Mode Transmission Characteristics (Typical Value)



Equivalent Circuit

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