**muRata**
INNOVATOR IN ELECTRONICS

Product Search Data Sheet

Note: This datasheet may be out of date.
Please download the latest datasheet of NFP0QSB132HL2# from the official website of Murata Manufacturing Co., Ltd.
http://www.murata.com/en-GB/products/productdetail?partno=NFP0QSB132HL2%23

# NFP0QSB132HL2#

"#" indicates a package specification code.

NRND  RoHS  REACH

< List of part numbers with package codes >
NFP0QSB132HL2D  NFP0QSB132HL2B

## Appearance & Shape
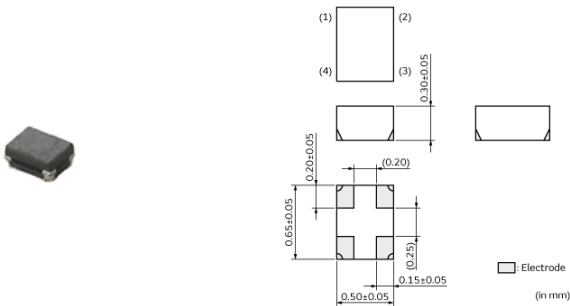


## Packaging Information

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

## Applications

| Other Usage | For general |
|---|---|

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# NFP0QSB132HL2#

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# 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 1.3GHz)
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

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Last updated2020/05/15

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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 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 |
| Derating of Rated Current | No |
| Rated Voltage | 5Vdc |
| Withstanding Voltage | 12.5Vdc |
| DC Resistance(max.) | 2.6Ω |
| DC Resistance | 2.0Ω±30% |
| Insulation Resistance(min.) | 100MΩ |
| Cut-off Frequency | 7.5GHz (Typ.) |
| Operating Temperature Range | -40℃ to 85℃ |

| Mass(typ.) | 0.456mg |
|---|---|
| Number of Circuit | 1 |
| Operating Temperature Range(Self-temperature rise is included) | No |

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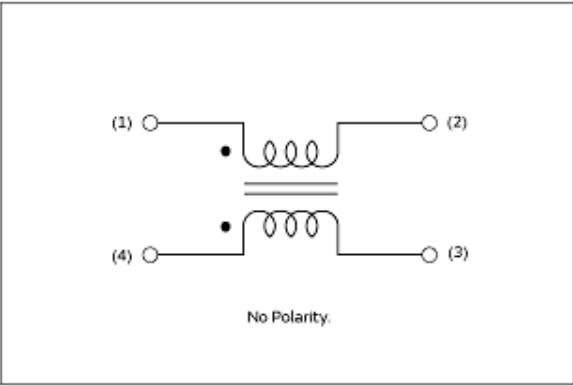
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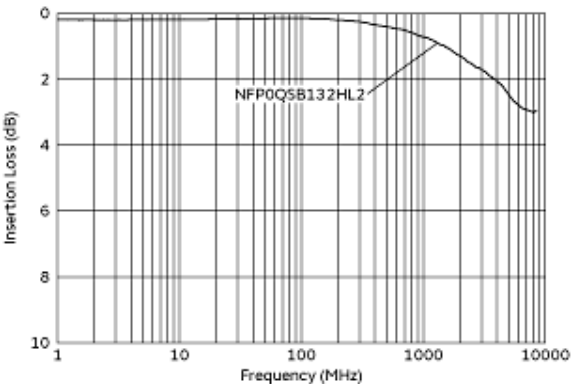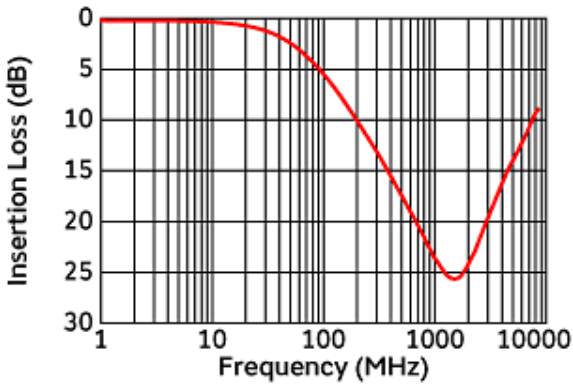


Common Mode Insertion Loss Characteristic (Typical Value)



Differential Mode Transmission Characteristics (Typical Value)



Equivalent Circuit

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