

# DLM11SN450HY2#

“#” indicates a package specification code.

In Production

RoHS

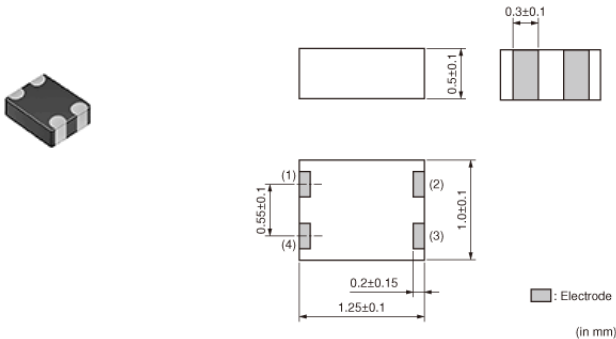
REACH

< List of part numbers with package codes >

DLM11SN450HY2B DLM11SN450HY2L

## Appearance & Shape

## Features



1. Small size and tight dimensional tolerance  
Size:1.25x1.0x0.5mm  
Tolerance:±0.1mm
2. High common mode impedance up to 90ohm (at 100MHz) is available.
3. DLM11S series enables noise suppression for differential signal line without distortion in high-speed signal transmission due to its line impedance matching.
4. High Cut-off Frequency.

## Applications

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

## Packaging Information

| Packaging | Specifications      | Minimum Order Quantity |
|-----------|---------------------|------------------------|
| B         | Bulk(Bag)           | 500                    |
| L         | 180mm Embossed Tape | 4000                   |

### 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.  
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## Specifications

|                                             |          |                                                                |               |
|---------------------------------------------|----------|----------------------------------------------------------------|---------------|
| Shape                                       | SMD      | Operating Temperature Range                                    | -40°C to 85°C |
| Size Code (in mm)                           | 1210     | Mass(typ.)                                                     | 0.004g        |
| Size Code (in inch)                         | 0504     | Number of Circuit                                              | 1             |
| Length                                      | 1.25mm   | Operating Temperature Range(Self-temperature rise is included) | No            |
| Length Tolerance                            | ±0.1mm   |                                                                |               |
| Width                                       | 1.0mm    |                                                                |               |
| Width Tolerance                             | ±0.1mm   |                                                                |               |
| Thickness                                   | 0.5mm    |                                                                |               |
| Thickness Tolerance                         | ±0.1mm   |                                                                |               |
| Common Mode Impedance (at 100MHz)           | 45Ω      |                                                                |               |
| Common Mode Impedance (at 100MHz) Tolerance | ±25%     |                                                                |               |
| Rated Current                               | 100mA    |                                                                |               |
| Rated Voltage                               | 5Vdc     |                                                                |               |
| Withstanding Voltage                        | 12.5Vdc  |                                                                |               |
| DC Resistance(max.)                         | 0.88Ω    |                                                                |               |
| DC Resistance                               | 0.7Ω±25% |                                                                |               |
| Insulation Resistance(min.)                 | 100MΩ    |                                                                |               |

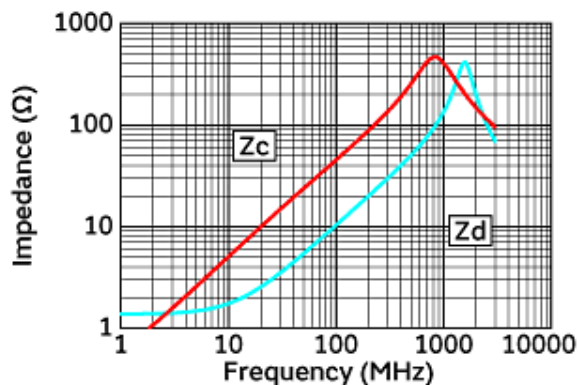
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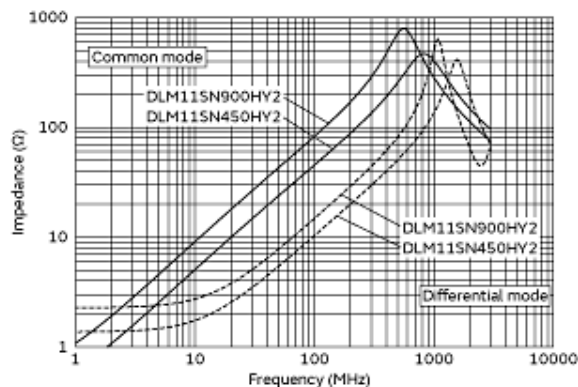
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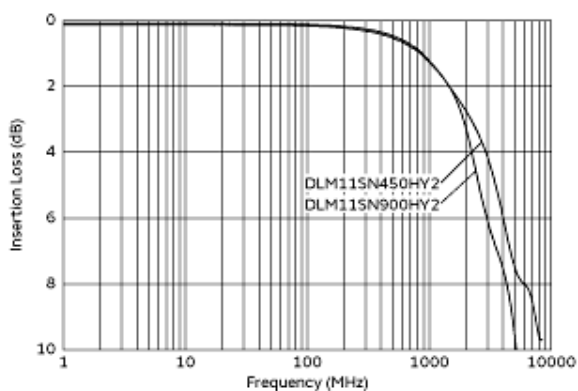
## Product Data



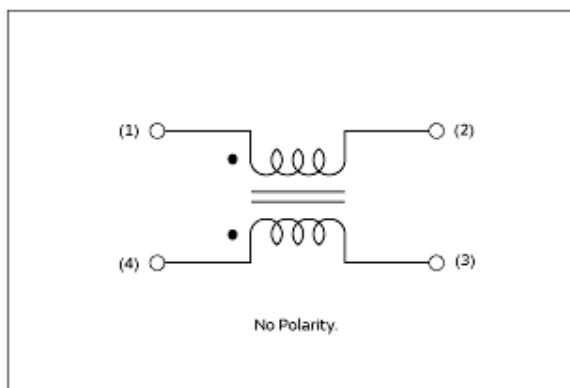
Impedance-Frequency Characteristics



Impedance-Frequency Characteristics  
(Main Items)



Differential Mode Transmission Characteristics (Typical Value)



Equivalent Circuit

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