

# DLP31DN441ML4#

“#” at the end indicates the package specification code.



## < List of part numbers with package codes >

DLP31DN441ML4B      DLP31DN441ML4L

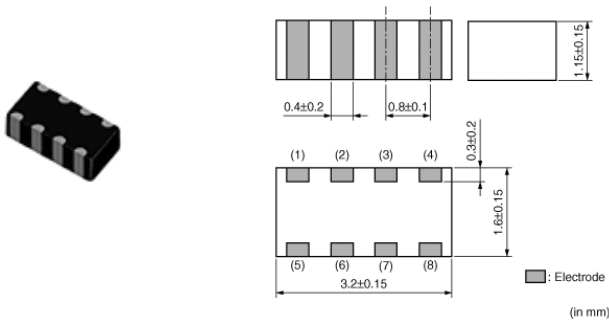
## Applications

|                          |   |
|--------------------------|---|
| Unsuitable Applications  | Please be sure to read and comply with these "Precautions for use."   |
| Specific Applications    | Consumer equipment, Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy equipment<br>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. |
| Recommended Applications | Consumer equipment  |

## Packaging Information

| Packaging | Specifications      | Standard Packing Quantity |
|-----------|---------------------|---------------------------|
| B         | Bulk(Bag)           | 500                       |
| L         | 180mm Embossed Tape | 3000                      |

## Appearance & Shape



### Attention

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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.

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## Features

DLP31D series is chip common mode choke coil array which realizes high coupling and high impedance in a small size with ferrite material technology and thin film processing technology.

### Features

1. 2 components are included in 3.2x1.6mm
2. Thin type 1.15mm
3. High common mode Impedance characteristics (max. 440 ohm, at 100MHz)
4. DLP31D can suppress common mode noise without damage to signal wave.

### Applications

Common mode noise suppression of high speed differential signal lines for USB, IEEE1394, LVDS

1. Main board of personal computers, note PCs
2. Printers, Scanners
3. LCD monitors
4. Game equipment
5. PC peripheral equipment

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## Specifications

|  |               |
|--|---------------|
| Shape  | SMD           |
| Size Code (in mm)  | 3216          |
| Size Code (in inch)  | 1206          |
| Length   | 3.2mm         |
| Length Tolerance   | ±0.15mm       |
| Width  | 1.6mm         |
| Width Tolerance  | ±0.15mm       |
| Thickness  | 1.15mm        |
| Thickness Tolerance  | ±0.15mm       |
| Common Mode Impedance (at 100MHz)                              | 440Ω          |
| Common Mode Impedance (at 100MHz) Tolerance                    | ±20%          |
| Rated Current  | 70mA          |
| Derating of Rated Current                                      | No            |
| Rated Voltage  | 10Vdc         |
| Withstanding Voltage   | 25Vdc         |
| DC Resistance(max.)  | 4.3Ω          |
| DC Resistance  | 4.3Ω max.     |
| Insulation Resistance(min.)                                    | 100MΩ         |
| Operating Temperature Range                                    | -40°C to 85°C |
| Mass(typ.)   | 0.03g         |
| Number of Circuit  | 2             |
| Operating Temperature Range(Self-temperature rise is included) | No            |
| Brand  | Murata        |

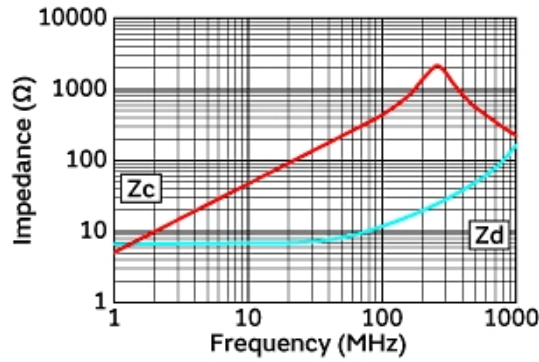
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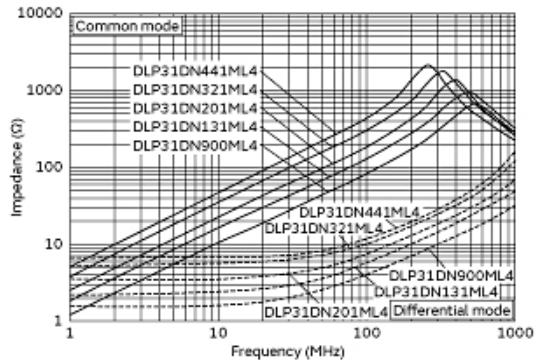
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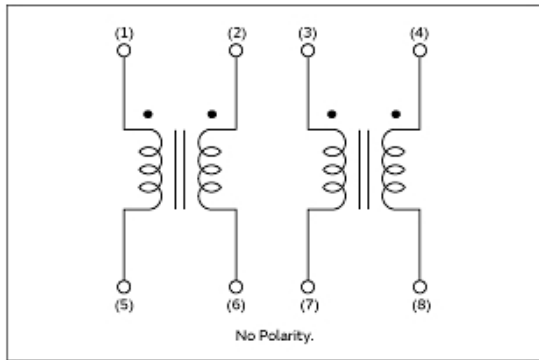
## Product Data



Impedance-Frequency Characteristics



Impedance-Frequency Characteristics  
(Main Items)



Equivalent Circuit

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