

# DLW5ATZ331MQ2#

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



## < List of part numbers with package codes >

DLW5ATZ331MQ2B      DLW5ATZ331MQ2K      DLW5ATZ331MQ2L

## Applications

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unsuitable Applications  | Please be sure to read and comply with these "Precautions for use."                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Specific Applications    | Automotive infotainment/comfort equipment, 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 | Automotive infotainment/comfort equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

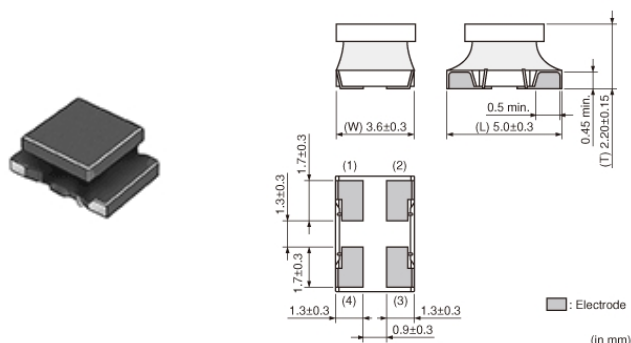
## Packaging Information

| Packaging | Specifications      | Standard Packing Quantity |
|-----------|---------------------|---------------------------|
| B         | Bulk(Bag)           | 100                       |
| K         | 330mm Embossed Tape | 2500                      |
| L         | 180mm Embossed Tape | 700                       |

## Features

1. Low profile(h=2.35mm max.)
2. Small size(5.0x3.6mm)
3. Large Current Available (1.5A to 4A)
4. Operating Temperature Range: -40°C to +105°C
5. Reflow and Flow soldering Available

## Appearance & Shape



### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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.

2. This datasheet has only typical specifications because there is no space for detailed specifications.

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## Specifications

|                                             |                |
|---------------------------------------------|----------------|
| Shape                                       | SMD            |
| Size Code (in mm)                           | 5036           |
| Size Code (in inch)                         | 2014           |
| Length                                      | 5.0mm          |
| Length Tolerance                            | ±0.3mm         |
| Width                                       | 3.6mm          |
| Width Tolerance                             | ±0.3mm         |
| Thickness                                   | 2.2mm          |
| Thickness Tolerance                         | ±0.15mm        |
| Common Mode Impedance (at 100MHz)           | 330Ω           |
| Common Mode Impedance (at 100MHz) Tolerance | (Typ.)         |
| Common Mode Impedance (at 10MHz)            | 20Ω            |
| Common Mode Impedance (at 10MHz) Tolerance  | min.           |
| Rated Current                               | 2.5A           |
| Derating of Rated Current                   | No             |
| Rated Voltage                               | 100Vdc         |
| Withstanding Voltage                        | 250Vdc         |
| DC Resistance(max.)                         | 0.027Ω         |
| DC Resistance                               | 0.027Ω max.    |
| Insulation Resistance(min.)                 | 10MΩ           |
| Operating Temperature Range                 | -40°C to 105°C |
| Mass(typ.)                                  | 0.14g          |
| Number of Circuit                           | 1              |

|                                                                |        |
|----------------------------------------------------------------|--------|
| Operating Temperature Range(Self-temperature rise is included) | No     |
| Brand                                                          | Murata |

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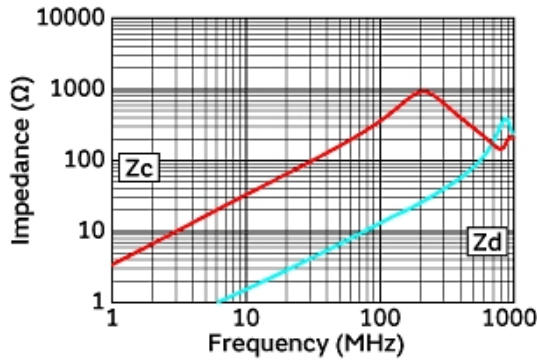
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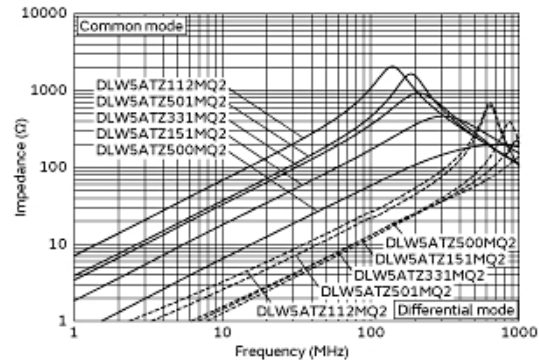
Note: If you have not downloaded this document from our official website, please note that the information provided may not be the most current.  
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<http://www.murata.com/en-gb/products/productdetail?partno=DLW5ATZ331MQ2%23>

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## Product Data

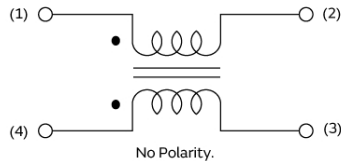


Impedance-Frequency Characteristics

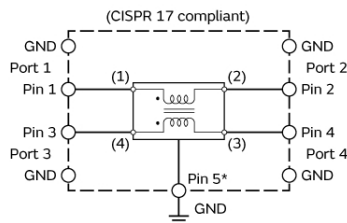


Impedance-Frequency Characteristics  
(Main Items)

### Equivalent Circuit (Note 1)



Note1: The Port/Pin No. of the Simulation Model provided by our company is as follows.



S-parameter: Port □  
SPICE model: Pin □ (Pin5\* connect to GND)

Equivalent Circuit

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