

Note: This datasheet may be out of date.

Please download the latest datasheet of LQH43MN221K03# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=LQH43MN221K03%23

"#"at the end indicates the package specification code.

Size Code 4532 (1812) in mm (in inch)











< List of part numbers with package codes > LQH43MN221K03K LQH43MN221K03L



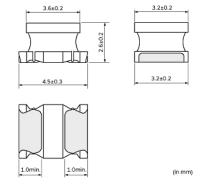
## **Applications**

| Unsuitable   | Please be sure to read and comply with  |  |
|--------------|---|--|
| Applications | these "Precautions for use."  |  |
|              | Consumer equipment,Medical  |  |
|              | equipment [GHTF A/B/C] except for   |  |
|              | implant & surgery & auto injector,  |  |
|              | Industrial equipment except for   |  |
|              | transportation & facility & energy  |  |
|              | equipment   |  |
| Specific     | Please refer to Our Website and   |  |
| Applications | 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  | Company of a surface of the surface |  |
| Applications | Consumer equipment  |  |



## Appearance & Shape







### **Notices**

When rated current is applied to the products, self-temperature rise shall be limited to 20°C max and inductance will be within ±10% of initial inductance value.

1 of 4

#### 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.

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





Note: This datasheet may be out of date.

Please download the latest datasheet of LQH43MN221K03# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=LQH43MN221K03%2

"#"at the end indicates the package specification code.



## References

| Packaging | Specifications   | Standard Packing Quantity |
|-----------|------------------|---------------------------|
| К         | 330Embossed Tape | 2500                      |
| L         | 180Embossed Tape | 500                       |

| Mass (typ.) |       |  |
|-------------|-------|--|
| 1 piece     | 0.13g |  |

2 of 4

#### 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.

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





Note: This datasheet may be out of date.

Please download the latest datasheet of LQH43MN221K03# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=LQH43MN221K03%2

"#"at the end indicates the package specification code.



## **Specifications**

| L size   | 4.5±0.3mm     |
|--|---------------|
| W size   | 3.2±0.2mm     |
| T size   | 2.6±0.2mm     |
| Size code inch (mm)  | 1812 (4532)   |
| Inductance   | 220µH±10%     |
| Inductance Test Frequency  | 1MHz          |
| Rated current (Itemp) (Based on Temperature rise)                  | 110mA         |
| Max. of DC resistance  | 5.4Ω          |
| Operating Temperature Range(Self-temperature rise is not included) | -40°C to 85°C |
| Class of magnetic shield   | Non-Shielded  |
| Q(min.)  | 40            |
| Q Test Frequency   | 796kHz        |
| Self resonance frequency (min.)                                    | 4.5MHz        |
| Brand  | Murata        |
| Series   | LQH43MN_03    |

3 of 4

#### 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.

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





Note: This datasheet may be out of date.

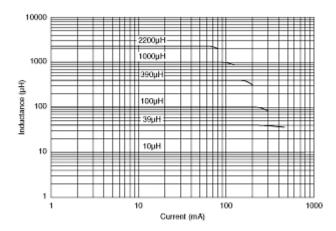
Please download the latest datasheet of LQH43MN221K03# from the official website of Murata Manufacturing Co., Ltd.

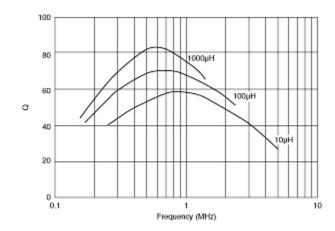
http://www.murata.com/en-us/products/productdetail?partno=LQH43MN221K03%2

"#"at the end indicates the package specification code.



## Characteristic Data





Impedance - Current Characteristics

Q-Frequency Characteristics

4 of 4

#### 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.

 $2. This \ data{sheet has only typical specifications because there is no \ space for \ detailed \ specifications.}$ 

