

# LQH43NH100J03#

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

It can be used in 125 °C environment.



## < List of part numbers with package codes >

LQH43NH100J03K      LQH43NH100J03L

## Applications

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unsuitable Applications  | Please be sure to read and comply with these "Precautions for use."                                                                                                                                                                                                                                                                                                                                                                    |
| Specific Applications    | Automotive infotainment/comfort equipment, Automotive powertrain/safety equipment, Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector<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 powertrain/safety equipment                                                                                                                                                                                                                                                                                                                                                                                                 |

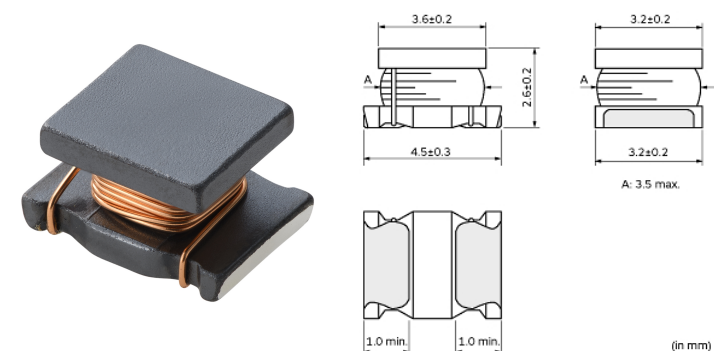
## Notices

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 nominal value.

## References

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

## Appearance & Shape



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

### 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

|                                                      |                |
|------------------------------------------------------|----------------|
| 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                                           | 10μH±5%        |
| Inductance Test Frequency                            | 1MHz           |
| Rated current (Itemp)<br>(Based on Temperature rise) | 480mA          |
| Max. of DC resistance                                | 0.24Ω          |
| DC resistance                                        | 0.2Ω±20%       |
| Class of magnetic shield                             | Non-Shielded   |
| Q(min.)                                              | 35             |
| Q Test Frequency                                     | 1MHz           |
| Self resonance frequency<br>(min.)                   | 23MHz          |
| Brand                                                | Murata         |
| Operating Temperature<br>Range                       | -40°C to 125°C |
| Series                                               | LQH43NH_03     |

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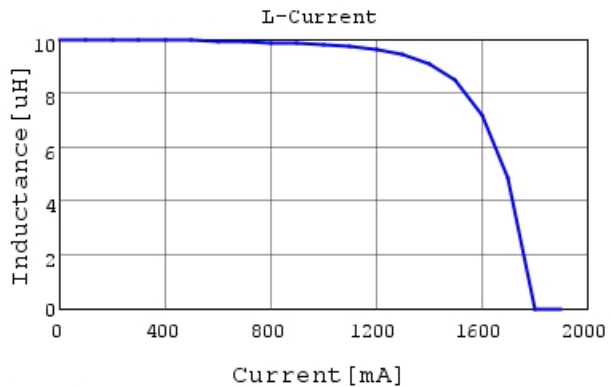
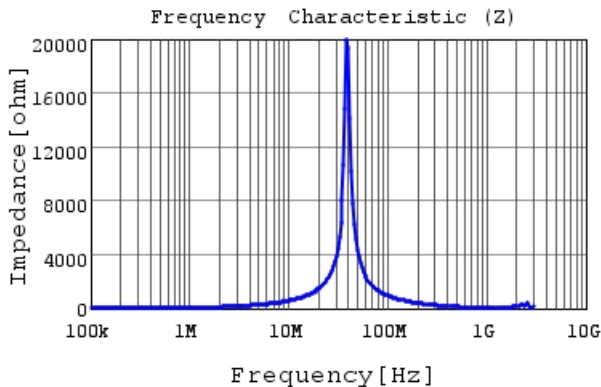
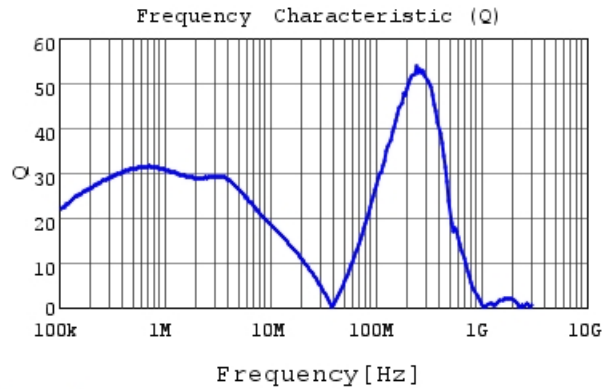
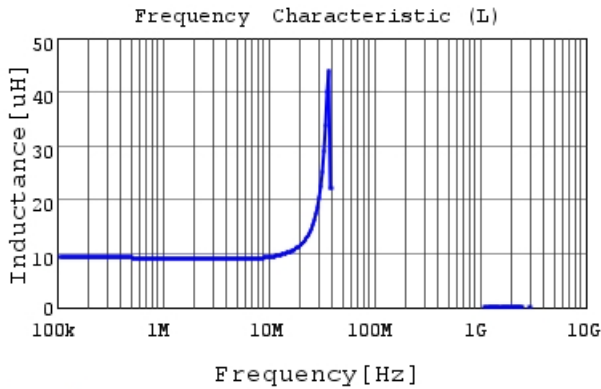
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## Characteristic Data

The charts below may show another part number which shares its characteristics.



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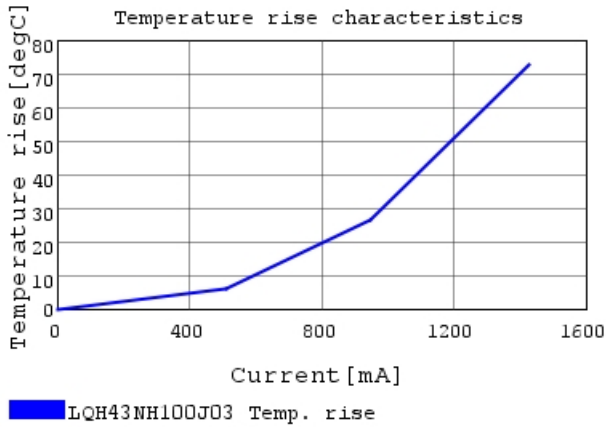
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