

# LQH43NN242K03#

Note: This datasheet may be out of date.

Please download the latest datasheet of LQH43NN242K03# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=LQH43NN242K03%23

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

It can be used in 105 °C environment.











< List of part numbers with package codes > LQH43NN242K03K LQH43NN242K03L

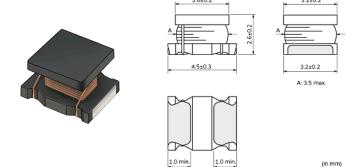


### **Applications**

| 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  | Consumon antimosom                         |  |
| 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.

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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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### References

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

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

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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  | 2400μH±10%     |
| Inductance Test Frequency                         | 1kHz           |
| Rated current (Itemp) (Based on Temperature rise) | 25mA           |
| Max. of DC resistance                             | 53Ω            |
| Class of magnetic shield                          | Non-Shielded   |
| Q(min.)   | 40             |
| Q Test Frequency                                  | 252kHz         |
| Self resonance frequency (min.)                   | 1.2MHz         |
| Brand   | Murata         |
| Operating Temperature<br>Range                    | -40°C to 105°C |
| Series  | LQH43NN_03     |

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