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Please download the latest datasheet of LQW2BHN5N6D13# from the official website of Murata

http://www.murata.com/en-us/products/productdetail?partno=LQW2BHN5N6D13%23

# LQW2BHN5N6D13#

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

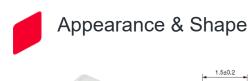
Size Code 2015 (0805) in mm (in inch), High Q Wound, Low DC Resistance Type



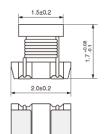
< List of part numbers with package codes > LQW2BHN5N6D13K LQW2BHN5N6D13L

# 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  | Consumer equipment                         |  |
| Applications |  |  |









0.5 min. 0.5 min.

1.5±0.2

(in mm)



| Packaging | Specifications   | Standard<br>Packing<br>Quantity |
|-----------|------------------|---------------------------------|
| к         | 330Embossed Tape | 7500                            |
| L         | 180Embossed Tape | 2000                            |

| Mass (typ.) |        |  |
|-------------|--------|--|
| 1 piece     | 0.009g |  |

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#### Attention

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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   | 2.0±0.2mm       |
|--|-----------------|
| W size   | 1.5±0.2mm       |
| T size   | 1.7+0.08/-0.1mm |
| Size code inch (mm)  | 0805 (2015)     |
| Inductance   | 5.6nH±0.5nH     |
| Inductance Test Frequency  | 100MHz          |
| Rated current (Itemp)<br>(Based on Temperature rise)                     | 1500mA          |
| Max. of DC resistance  | 0.02Ω           |
| Operating Temperature<br>Range(Self-temperature rise<br>is not included) | -40°C to 85°C   |
| Class of magnetic shield   | Non-Shielded    |
| Q(min.)  | 35              |
| Q Test Frequency   | 250MHz          |
| Self resonance frequency<br>(min.)                                       | 6000MHz         |
| Brand  | Murata          |
| Series   | LQW2BHN_13      |

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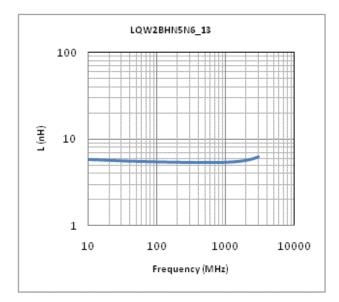
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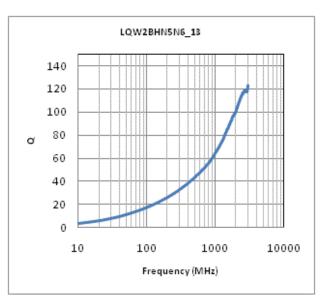


### Characteristic Data

LQW2BHN5N6D13#



Inductance - Frequency Characteristics



### **Q-Frequency Characteristics**

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