

# LQP02HQ20NH02#

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

0402 (01005) in mm (in inch), Higher Q

In Production

RoHS

REACH

125 °C max.

Film

High Q

Reflow OK

## < List of part numbers with package codes >

LQP02HQ20NH02B      LQP02HQ20NH02E      LQP02HQ20NH02L

### Applications

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unsuitable Applications  | Please be sure to read and comply with these "Precautions for use."                                                                                                                                                                                                                                                                                                                                                                                                              |
| Specific Applications    | <p>Consumer equipment, Medical equipment [GHTF A/B/C] except for implant &amp; surgery &amp; auto injector, Industrial equipment except for transportation &amp; facility &amp; energy equipment</p> <p>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.</p> |
| Recommended Applications | Consumer equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

### Appearance & Shape



#### Attention

- 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.
- 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 Packing Quantity |
|-----------|-------------------------|---------------------------|
| B         | Bulk(Bag)               | 500                       |
| E         | 180mm Paper Tape (W8P2) | 15000                     |
| L         | 180Embossed Tape        | 30000                     |

| Mass (typ.) |         |
|-------------|---------|
| 1 piece     | 0.085mg |

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## Specifications

|                                                                          |                |
|--------------------------------------------------------------------------|----------------|
| L size                                                                   | 0.4±0.02mm     |
| W size                                                                   | 0.2±0.02mm     |
| T size                                                                   | 0.3±0.02mm     |
| Size code inch (mm)                                                      | 01005 (0402)   |
| Inductance                                                               | 20nH±3%        |
| Inductance Test Frequency                                                | 500MHz         |
| Rated current (Itemp)<br>(Based on Temperature rise)                     | 140mA          |
| Max. of DC resistance                                                    | 2.26Ω          |
| Operating Temperature<br>Range(Self-temperature rise<br>is not included) | -55°C to 125°C |
| Class of magnetic shield                                                 | Non-Shielded   |
| Q(min.)                                                                  | 12             |
| Q Test Frequency                                                         | 500MHz         |
| Self resonance frequency<br>(min.)                                       | 3GHz           |
| Brand                                                                    | Murata         |
| Series                                                                   | LQP02HQ_02     |

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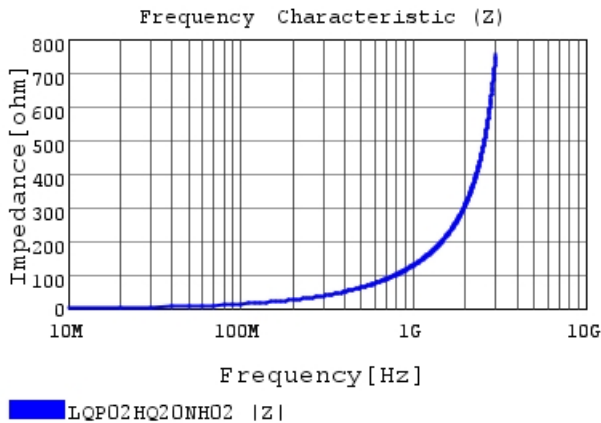
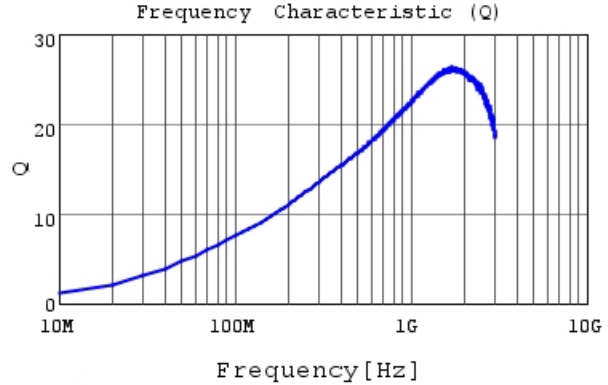
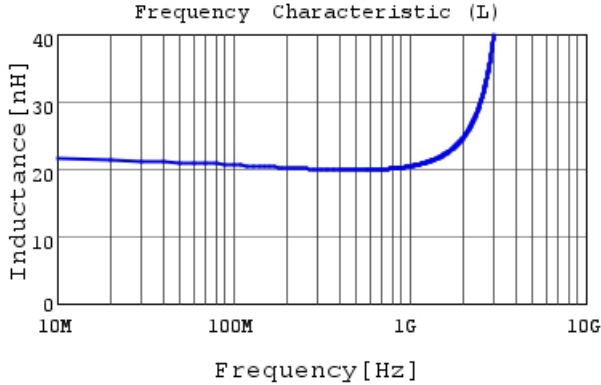
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## Characteristic Data

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



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