Note: This datasheet may be out of date.
Please download the latest datasheet of LQP02HQ47NJ02# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=LQP02HQ47NJ02%23

# LQP02HQ47NJ02#

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

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

In Production | RoHS | REACH | 125 ℃max. | Film | High Q | Reflow OK

## < List of part numbers with package codes >

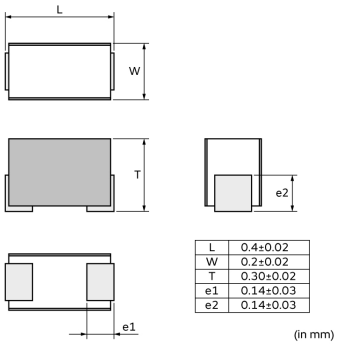
LQP02HQ47NJ02B LQP02HQ47NJ02E LQP02HQ47NJ02L

## Applications

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

## Appearance & Shape






| | |
|---|---|
| L | 0.4±0.02 |
| W | 0.2±0.02 |
| T | 0.30±0.02 |
| e1 | 0.14±0.03 |
| e2 | 0.14±0.03 |

(in mm)



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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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# LQP02HQ47NJ02#

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

## 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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# LQP02HQ47NJ02#

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

## 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 | 47nH±5% |
| Inductance Test Frequency | 300MHz |
| Rated current (Itemp)<br>(Based on Temperature rise) | 100mA |
| Max. of DC resistance | 4Ω |
| Operating Temperature Range(Self-temperature rise is not included) | -55℃ to 125℃ |
| Class of magnetic shield | Non-Shielded |
| Q(min.) | 8 |
| Q Test Frequency | 300MHz |
| Self resonance frequency (min.) | 2.1GHz |
| Brand | Murata |
| Series | LQP02HQ_02 |



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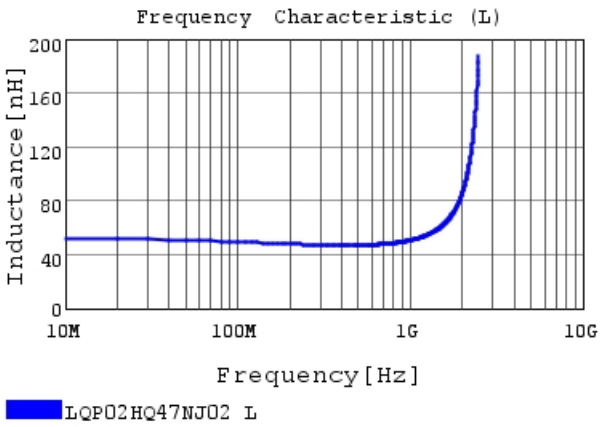
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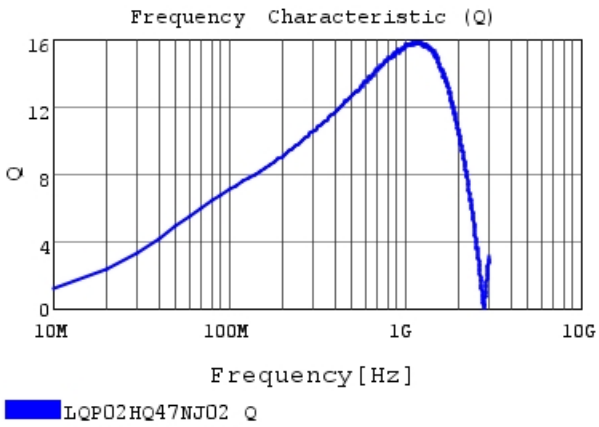
# LQP02HQ47NJ02#

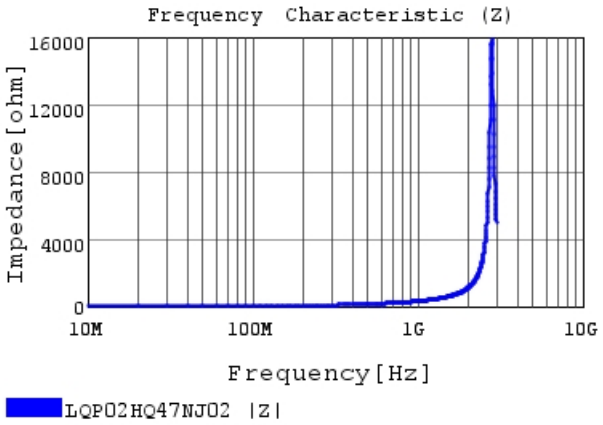
"#"at the end indicates the package specification code.

## Characteristic Data

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






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