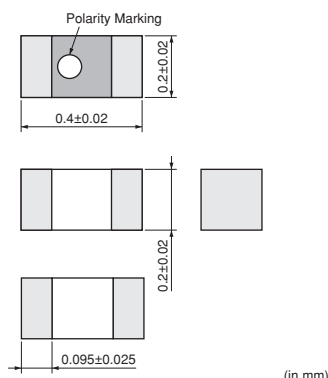


# Chip Inductor (Chip Coil) for High Frequency Film Type

## LQP02T Series (01005 Size)

### ■ Dimensions



### ■ Packaging

| Code | Packaging        | Minimum Quantity |
|------|------------------|------------------|
| D    | 180mm Paper Tape | 20000            |
| B    | Bulk(Bag)        | 500              |

### ■ Rated Value (□: packaging code)

| Part Number    | Inductance   | Test Frequency | Rated Current | Max. of DC Resistance | Q (min.) | Test Frequency | Self Resonance Frequency (min.) |
|----------------|--------------|----------------|---------------|-----------------------|----------|----------------|---------------------------------|
| LQP02TN0N2B02□ | 0.2nH ±0.1nH | 500MHz         | 320mA         | 0.50ohm               | -        | -              | 6000MHz                         |
| LQP02TN0N2C02□ | 0.2nH ±0.2nH | 500MHz         | 320mA         | 0.50ohm               | -        | -              | 6000MHz                         |
| LQP02TN0N3B02□ | 0.3nH ±0.1nH | 500MHz         | 320mA         | 0.50ohm               | -        | -              | 6000MHz                         |
| LQP02TN0N3C02□ | 0.3nH ±0.2nH | 500MHz         | 320mA         | 0.50ohm               | -        | -              | 6000MHz                         |
| LQP02TN0N4B02□ | 0.4nH ±0.1nH | 500MHz         | 320mA         | 0.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN0N4C02□ | 0.4nH ±0.2nH | 500MHz         | 320mA         | 0.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN0N4S02□ | 0.4nH ±0.3nH | 500MHz         | 320mA         | 0.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN0N5B02□ | 0.5nH ±0.1nH | 500MHz         | 320mA         | 0.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN0N5C02□ | 0.5nH ±0.2nH | 500MHz         | 320mA         | 0.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN0N5S02□ | 0.5nH ±0.3nH | 500MHz         | 320mA         | 0.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN0N6B02□ | 0.6nH ±0.1nH | 500MHz         | 320mA         | 0.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN0N6C02□ | 0.6nH ±0.2nH | 500MHz         | 320mA         | 0.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN0N6S02□ | 0.6nH ±0.3nH | 500MHz         | 320mA         | 0.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN0N7B02□ | 0.7nH ±0.1nH | 500MHz         | 320mA         | 0.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN0N7C02□ | 0.7nH ±0.2nH | 500MHz         | 320mA         | 0.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN0N7S02□ | 0.7nH ±0.3nH | 500MHz         | 320mA         | 0.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN0N8B02□ | 0.8nH ±0.1nH | 500MHz         | 320mA         | 0.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN0N8C02□ | 0.8nH ±0.2nH | 500MHz         | 320mA         | 0.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN0N8S02□ | 0.8nH ±0.3nH | 500MHz         | 320mA         | 0.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN0N9B02□ | 0.9nH ±0.1nH | 500MHz         | 320mA         | 0.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN0N9C02□ | 0.9nH ±0.2nH | 500MHz         | 320mA         | 0.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN0N9S02□ | 0.9nH ±0.3nH | 500MHz         | 320mA         | 0.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N0B02□ | 1.0nH ±0.1nH | 500MHz         | 220mA         | 0.60ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N0C02□ | 1.0nH ±0.2nH | 500MHz         | 220mA         | 0.60ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N0S02□ | 1.0nH ±0.3nH | 500MHz         | 220mA         | 0.60ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N1B02□ | 1.1nH ±0.1nH | 500MHz         | 220mA         | 0.60ohm               | 8        | 500MHz         | 6000MHz                         |

Operating Temperature Range (Self-temperature rise is not included): -55 to +125°C

Only for reflow soldering.

Continued on the following page.

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2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

| Part Number    | Inductance   | Test Frequency | Rated Current | Max. of DC Resistance | Q (min.) | Test Frequency | Self Resonance Frequency (min.) |
|----------------|--------------|----------------|---------------|-----------------------|----------|----------------|---------------------------------|
| LQP02TN1N1C02□ | 1.1nH ±0.2nH | 500MHz         | 220mA         | 0.60ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N1S02□ | 1.1nH ±0.3nH | 500MHz         | 220mA         | 0.60ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N2B02□ | 1.2nH ±0.1nH | 500MHz         | 220mA         | 0.60ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N2C02□ | 1.2nH ±0.2nH | 500MHz         | 220mA         | 0.60ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N2S02□ | 1.2nH ±0.3nH | 500MHz         | 220mA         | 0.60ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N3B02□ | 1.3nH ±0.1nH | 500MHz         | 220mA         | 0.60ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N3C02□ | 1.3nH ±0.2nH | 500MHz         | 220mA         | 0.60ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N3S02□ | 1.3nH ±0.3nH | 500MHz         | 220mA         | 0.60ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N4B02□ | 1.4nH ±0.1nH | 500MHz         | 220mA         | 0.60ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N4C02□ | 1.4nH ±0.2nH | 500MHz         | 220mA         | 0.60ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N4S02□ | 1.4nH ±0.3nH | 500MHz         | 220mA         | 0.60ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N5B02□ | 1.5nH ±0.1nH | 500MHz         | 220mA         | 0.60ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N5C02□ | 1.5nH ±0.2nH | 500MHz         | 220mA         | 0.60ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N5S02□ | 1.5nH ±0.3nH | 500MHz         | 220mA         | 0.60ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N6B02□ | 1.6nH ±0.1nH | 500MHz         | 220mA         | 0.60ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N6C02□ | 1.6nH ±0.2nH | 500MHz         | 220mA         | 0.60ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N6S02□ | 1.6nH ±0.3nH | 500MHz         | 220mA         | 0.60ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N7B02□ | 1.7nH ±0.1nH | 500MHz         | 200mA         | 0.70ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N7C02□ | 1.7nH ±0.2nH | 500MHz         | 200mA         | 0.70ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N7S02□ | 1.7nH ±0.3nH | 500MHz         | 200mA         | 0.70ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N8B02□ | 1.8nH ±0.1nH | 500MHz         | 200mA         | 0.70ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N8C02□ | 1.8nH ±0.2nH | 500MHz         | 200mA         | 0.70ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N8S02□ | 1.8nH ±0.3nH | 500MHz         | 200mA         | 0.70ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N9B02□ | 1.9nH ±0.1nH | 500MHz         | 200mA         | 0.75ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N9C02□ | 1.9nH ±0.2nH | 500MHz         | 200mA         | 0.75ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN1N9S02□ | 1.9nH ±0.3nH | 500MHz         | 200mA         | 0.75ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N0B02□ | 2.0nH ±0.1nH | 500MHz         | 200mA         | 0.75ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N0C02□ | 2.0nH ±0.2nH | 500MHz         | 200mA         | 0.75ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N0S02□ | 2.0nH ±0.3nH | 500MHz         | 200mA         | 0.75ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N1B02□ | 2.1nH ±0.1nH | 500MHz         | 200mA         | 0.75ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N1C02□ | 2.1nH ±0.2nH | 500MHz         | 200mA         | 0.75ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N1S02□ | 2.1nH ±0.3nH | 500MHz         | 200mA         | 0.75ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N2B02□ | 2.2nH ±0.1nH | 500MHz         | 200mA         | 0.75ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N2C02□ | 2.2nH ±0.2nH | 500MHz         | 200mA         | 0.75ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N2S02□ | 2.2nH ±0.3nH | 500MHz         | 200mA         | 0.75ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N3B02□ | 2.3nH ±0.1nH | 500MHz         | 200mA         | 0.75ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N3C02□ | 2.3nH ±0.2nH | 500MHz         | 200mA         | 0.75ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N3S02□ | 2.3nH ±0.3nH | 500MHz         | 200mA         | 0.75ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N4B02□ | 2.4nH ±0.1nH | 500MHz         | 200mA         | 0.75ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N4C02□ | 2.4nH ±0.2nH | 500MHz         | 200mA         | 0.75ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N4S02□ | 2.4nH ±0.3nH | 500MHz         | 200mA         | 0.75ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N5B02□ | 2.5nH ±0.1nH | 500MHz         | 200mA         | 0.80ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N5C02□ | 2.5nH ±0.2nH | 500MHz         | 200mA         | 0.80ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N5S02□ | 2.5nH ±0.3nH | 500MHz         | 200mA         | 0.80ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N6B02□ | 2.6nH ±0.1nH | 500MHz         | 200mA         | 0.80ohm               | 8        | 500MHz         | 6000MHz                         |

Operating Temperature Range (Self-temperature rise is not included): -55 to +125°C

Only for reflow soldering.

Continued on the following page.

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| Part Number    | Inductance   | Test Frequency | Rated Current | Max. of DC Resistance | Q (min.) | Test Frequency | Self Resonance Frequency (min.) |
|----------------|--------------|----------------|---------------|-----------------------|----------|----------------|---------------------------------|
| LQP02TN2N6C02□ | 2.6nH ±0.2nH | 500MHz         | 200mA         | 0.80ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N6S02□ | 2.6nH ±0.3nH | 500MHz         | 200mA         | 0.80ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N7B02□ | 2.7nH ±0.1nH | 500MHz         | 200mA         | 0.80ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N7C02□ | 2.7nH ±0.2nH | 500MHz         | 200mA         | 0.80ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N7S02□ | 2.7nH ±0.3nH | 500MHz         | 200mA         | 0.80ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N8B02□ | 2.8nH ±0.1nH | 500MHz         | 200mA         | 1.10ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N8C02□ | 2.8nH ±0.2nH | 500MHz         | 200mA         | 1.10ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N8S02□ | 2.8nH ±0.3nH | 500MHz         | 200mA         | 1.10ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N9B02□ | 2.9nH ±0.1nH | 500MHz         | 200mA         | 1.10ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N9C02□ | 2.9nH ±0.2nH | 500MHz         | 200mA         | 1.10ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN2N9S02□ | 2.9nH ±0.3nH | 500MHz         | 200mA         | 1.10ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N0B02□ | 3.0nH ±0.1nH | 500MHz         | 200mA         | 1.10ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N0C02□ | 3.0nH ±0.2nH | 500MHz         | 200mA         | 1.10ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N0S02□ | 3.0nH ±0.3nH | 500MHz         | 200mA         | 1.10ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N1B02□ | 3.1nH ±0.1nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N1C02□ | 3.1nH ±0.2nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N1S02□ | 3.1nH ±0.3nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N2B02□ | 3.2nH ±0.1nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N2C02□ | 3.2nH ±0.2nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N2S02□ | 3.2nH ±0.3nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N3B02□ | 3.3nH ±0.1nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N3C02□ | 3.3nH ±0.2nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N3S02□ | 3.3nH ±0.3nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N4B02□ | 3.4nH ±0.1nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N4C02□ | 3.4nH ±0.2nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N4S02□ | 3.4nH ±0.3nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N5B02□ | 3.5nH ±0.1nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N5C02□ | 3.5nH ±0.2nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N5S02□ | 3.5nH ±0.3nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N6B02□ | 3.6nH ±0.1nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N6C02□ | 3.6nH ±0.2nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N6S02□ | 3.6nH ±0.3nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N7B02□ | 3.7nH ±0.1nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N7C02□ | 3.7nH ±0.2nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N7S02□ | 3.7nH ±0.3nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N8B02□ | 3.8nH ±0.1nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N8C02□ | 3.8nH ±0.2nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N8S02□ | 3.8nH ±0.3nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N9B02□ | 3.9nH ±0.1nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N9C02□ | 3.9nH ±0.2nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN3N9S02□ | 3.9nH ±0.3nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN4N0B02□ | 4nH ±0.1nH   | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN4N0C02□ | 4nH ±0.2nH   | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN4N0S02□ | 4nH ±0.3nH   | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN4N1B02□ | 4.1nH ±0.1nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |

Operating Temperature Range (Self-temperature rise is not included): -55 to +125°C

Only for reflow soldering.

Continued on the following page.

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2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

| Part Number    | Inductance   | Test Frequency | Rated Current | Max. of DC Resistance | Q (min.) | Test Frequency | Self Resonance Frequency (min.) |
|----------------|--------------|----------------|---------------|-----------------------|----------|----------------|---------------------------------|
| LQP02TN4N1C02□ | 4.1nH ±0.2nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN4N1S02□ | 4.1nH ±0.3nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN4N2B02□ | 4.2nH ±0.1nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN4N2C02□ | 4.2nH ±0.2nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN4N2S02□ | 4.2nH ±0.3nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN4N3H02□ | 4.3nH ±3%    | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN4N3J02□ | 4.3nH ±5%    | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN4N3S02□ | 4.3nH ±0.3nH | 500MHz         | 180mA         | 1.30ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN4N7H02□ | 4.7nH ±3%    | 500MHz         | 160mA         | 1.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN4N7J02□ | 4.7nH ±5%    | 500MHz         | 160mA         | 1.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN4N7S02□ | 4.7nH ±0.3nH | 500MHz         | 160mA         | 1.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN5N1H02□ | 5.1nH ±3%    | 500MHz         | 160mA         | 1.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN5N1J02□ | 5.1nH ±5%    | 500MHz         | 160mA         | 1.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN5N1S02□ | 5.1nH ±0.3nH | 500MHz         | 160mA         | 1.50ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN5N6H02□ | 5.6nH ±3%    | 500MHz         | 140mA         | 1.80ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN5N6J02□ | 5.6nH ±5%    | 500MHz         | 140mA         | 1.80ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN5N6S02□ | 5.6nH ±0.3nH | 500MHz         | 140mA         | 1.80ohm               | 8        | 500MHz         | 6000MHz                         |
| LQP02TN6N2H02□ | 6.2nH ±3%    | 500MHz         | 140mA         | 1.80ohm               | 8        | 500MHz         | 5500MHz                         |
| LQP02TN6N2J02□ | 6.2nH ±5%    | 500MHz         | 140mA         | 1.80ohm               | 8        | 500MHz         | 5500MHz                         |
| LQP02TN6N8H02□ | 6.8nH ±3%    | 500MHz         | 140mA         | 2.00ohm               | 8        | 500MHz         | 5500MHz                         |
| LQP02TN6N8J02□ | 6.8nH ±5%    | 500MHz         | 140mA         | 2.00ohm               | 8        | 500MHz         | 5500MHz                         |
| LQP02TN7N5H02□ | 7.5nH ±3%    | 500MHz         | 140mA         | 2.00ohm               | 8        | 500MHz         | 4500MHz                         |
| LQP02TN7N5J02□ | 7.5nH ±5%    | 500MHz         | 140mA         | 2.00ohm               | 8        | 500MHz         | 4500MHz                         |
| LQP02TN8N2H02□ | 8.2nH ±3%    | 500MHz         | 140mA         | 2.10ohm               | 8        | 500MHz         | 4500MHz                         |
| LQP02TN8N2J02□ | 8.2nH ±5%    | 500MHz         | 140mA         | 2.10ohm               | 8        | 500MHz         | 4500MHz                         |
| LQP02TN9N1H02□ | 9.1nH ±3%    | 500MHz         | 140mA         | 2.10ohm               | 8        | 500MHz         | 4000MHz                         |
| LQP02TN9N1J02□ | 9.1nH ±5%    | 500MHz         | 140mA         | 2.10ohm               | 8        | 500MHz         | 4000MHz                         |
| LQP02TN10NH02□ | 10nH ±3%     | 500MHz         | 140mA         | 2.50ohm               | 8        | 500MHz         | 4000MHz                         |
| LQP02TN10NJ02□ | 10nH ±5%     | 500MHz         | 140mA         | 2.50ohm               | 8        | 500MHz         | 4000MHz                         |
| LQP02TN11NH02□ | 11nH ±3%     | 500MHz         | 140mA         | 2.80ohm               | 7        | 500MHz         | 3500MHz                         |
| LQP02TN11NJ02□ | 11nH ±5%     | 500MHz         | 140mA         | 2.80ohm               | 7        | 500MHz         | 3500MHz                         |
| LQP02TN12NH02□ | 12nH ±3%     | 500MHz         | 140mA         | 2.80ohm               | 7        | 500MHz         | 3500MHz                         |
| LQP02TN12NJ02□ | 12nH ±5%     | 500MHz         | 140mA         | 2.80ohm               | 7        | 500MHz         | 3500MHz                         |
| LQP02TN13NH02□ | 13nH ±3%     | 500MHz         | 140mA         | 3.20ohm               | 7        | 500MHz         | 3000MHz                         |
| LQP02TN13NJ02□ | 13nH ±5%     | 500MHz         | 140mA         | 3.20ohm               | 7        | 500MHz         | 3000MHz                         |
| LQP02TN15NH02□ | 15nH ±3%     | 500MHz         | 140mA         | 3.20ohm               | 7        | 500MHz         | 3000MHz                         |
| LQP02TN15NJ02□ | 15nH ±5%     | 500MHz         | 140mA         | 3.20ohm               | 7        | 500MHz         | 3000MHz                         |
| LQP02TN16NH02□ | 16nH ±3%     | 500MHz         | 140mA         | 3.50ohm               | 7        | 500MHz         | 2500MHz                         |
| LQP02TN16NJ02□ | 16nH ±5%     | 500MHz         | 140mA         | 3.50ohm               | 7        | 500MHz         | 2500MHz                         |
| LQP02TN18NH02□ | 18nH ±3%     | 500MHz         | 140mA         | 3.50ohm               | 7        | 500MHz         | 2500MHz                         |
| LQP02TN18NJ02□ | 18nH ±5%     | 500MHz         | 140mA         | 3.50ohm               | 7        | 500MHz         | 2500MHz                         |
| LQP02TN20NH02□ | 20nH ±3%     | 500MHz         | 100mA         | 5.00ohm               | 6        | 500MHz         | 2250MHz                         |
| LQP02TN20NJ02□ | 20nH ±5%     | 500MHz         | 100mA         | 5.00ohm               | 6        | 500MHz         | 2250MHz                         |

Operating Temperature Range (Self-temperature rise is not included): -55 to +125°C

Only for reflow soldering.

Continued on the following page.

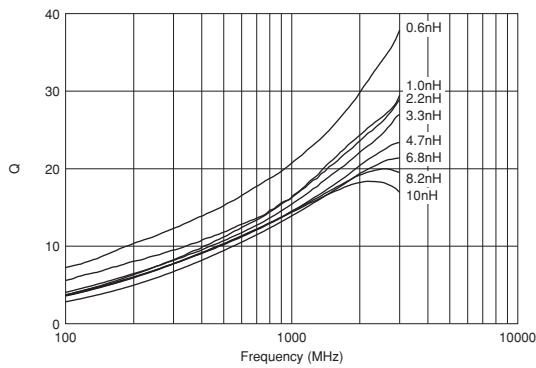
● This data sheet is applied for CHIP INDUCTORS (CHIP COILS) used for General Electronics equipment for your design.

## ⚠ Note:

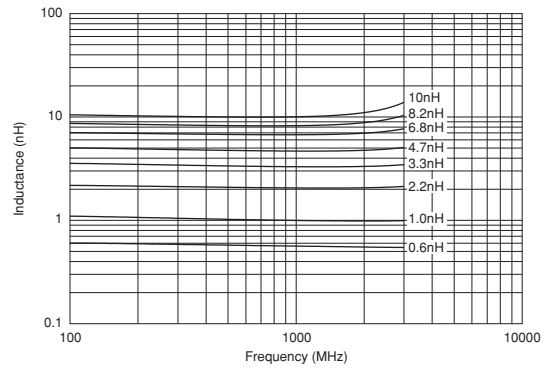
1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

Continued from the preceding page.

### ■ Q-Frequency Characteristics (Typ.)



### ■ Inductance-Frequency Characteristics (Typ.)



### ■ ⚠ Caution/Notice

#### ⚠ Caution (Rating)

Do not use products beyond the rated current as this may create excessive heat.

#### Notice

Solderability of Tin plating termination chip might be deteriorated when low temperature soldering profile where peak solder temperature is below the Tin melting point is used. Please confirm the solderability of Tin plating termination chip before use.

● This data sheet is applied for CHIP INDUCTORS (CHIP COILS) used for General Electronics equipment for your design.

#### ⚠ Note:

1. 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.
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