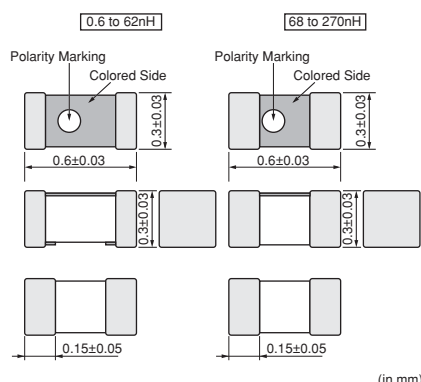


# LQP03TN\_02 Series 0603/0201 (mm/inch)



## ■ Dimensions



## ■ Packaging

| Code | Packaging           | Minimum Quantity |
|------|---------------------|------------------|
| D    | ø180mm Paper taping | 15000            |
| J    | ø330mm Paper taping | 50000            |
| B    | Packing in bulk     | 500              |

## ■ Rated Value (□: packaging code)

| Part Number    | Inductance   | Inductance test frequency | Rated current | Max. of DC resistance | Q (min.) | Q test frequency | Self resonance frequency (min.) |
|----------------|--------------|---------------------------|---------------|-----------------------|----------|------------------|---------------------------------|
| LQP03TN0N6B02□ | 0.6nH ±0.1nH | 500MHz                    | 850mA         | 0.07 Ω                | 14       | 500MHz           | 20000MHz                        |
| LQP03TN0N6C02□ | 0.6nH ±0.2nH | 500MHz                    | 850mA         | 0.07 Ω                | 14       | 500MHz           | 20000MHz                        |
| LQP03TN0N7B02□ | 0.7nH ±0.1nH | 500MHz                    | 800mA         | 0.08 Ω                | 14       | 500MHz           | 20000MHz                        |
| LQP03TN0N7C02□ | 0.7nH ±0.2nH | 500MHz                    | 800mA         | 0.08 Ω                | 14       | 500MHz           | 20000MHz                        |
| LQP03TN0N8B02□ | 0.8nH ±0.1nH | 500MHz                    | 800mA         | 0.08 Ω                | 14       | 500MHz           | 18000MHz                        |
| LQP03TN0N8C02□ | 0.8nH ±0.2nH | 500MHz                    | 800mA         | 0.08 Ω                | 14       | 500MHz           | 18000MHz                        |
| LQP03TN0N9B02□ | 0.9nH ±0.1nH | 500MHz                    | 750mA         | 0.10 Ω                | 14       | 500MHz           | 18000MHz                        |
| LQP03TN0N9C02□ | 0.9nH ±0.2nH | 500MHz                    | 750mA         | 0.10 Ω                | 14       | 500MHz           | 18000MHz                        |
| LQP03TN1N0B02□ | 1.0nH ±0.1nH | 500MHz                    | 750mA         | 0.10 Ω                | 14       | 500MHz           | 17000MHz                        |
| LQP03TN1N0C02□ | 1.0nH ±0.2nH | 500MHz                    | 750mA         | 0.10 Ω                | 14       | 500MHz           | 17000MHz                        |
| LQP03TN1N1B02□ | 1.1nH ±0.1nH | 500MHz                    | 750mA         | 0.10 Ω                | 14       | 500MHz           | 17000MHz                        |
| LQP03TN1N1C02□ | 1.1nH ±0.2nH | 500MHz                    | 750mA         | 0.10 Ω                | 14       | 500MHz           | 17000MHz                        |
| LQP03TN1N2B02□ | 1.2nH ±0.1nH | 500MHz                    | 750mA         | 0.10 Ω                | 14       | 500MHz           | 17000MHz                        |
| LQP03TN1N2C02□ | 1.2nH ±0.2nH | 500MHz                    | 750mA         | 0.10 Ω                | 14       | 500MHz           | 17000MHz                        |
| LQP03TN1N3B02□ | 1.3nH ±0.1nH | 500MHz                    | 600mA         | 0.15 Ω                | 14       | 500MHz           | 17000MHz                        |
| LQP03TN1N3C02□ | 1.3nH ±0.2nH | 500MHz                    | 600mA         | 0.15 Ω                | 14       | 500MHz           | 17000MHz                        |
| LQP03TN1N4B02□ | 1.4nH ±0.1nH | 500MHz                    | 600mA         | 0.15 Ω                | 14       | 500MHz           | 16000MHz                        |
| LQP03TN1N4C02□ | 1.4nH ±0.2nH | 500MHz                    | 600mA         | 0.15 Ω                | 14       | 500MHz           | 16000MHz                        |
| LQP03TN1N5B02□ | 1.5nH ±0.1nH | 500MHz                    | 600mA         | 0.15 Ω                | 14       | 500MHz           | 15000MHz                        |
| LQP03TN1N5C02□ | 1.5nH ±0.2nH | 500MHz                    | 600mA         | 0.15 Ω                | 14       | 500MHz           | 15000MHz                        |
| LQP03TN1N6B02□ | 1.6nH ±0.1nH | 500MHz                    | 600mA         | 0.15 Ω                | 14       | 500MHz           | 15000MHz                        |
| LQP03TN1N6C02□ | 1.6nH ±0.2nH | 500MHz                    | 600mA         | 0.15 Ω                | 14       | 500MHz           | 15000MHz                        |
| LQP03TN1N7B02□ | 1.7nH ±0.1nH | 500MHz                    | 600mA         | 0.15 Ω                | 14       | 500MHz           | 15000MHz                        |
| LQP03TN1N7C02□ | 1.7nH ±0.2nH | 500MHz                    | 600mA         | 0.15 Ω                | 14       | 500MHz           | 15000MHz                        |
| LQP03TN1N8B02□ | 1.8nH ±0.1nH | 500MHz                    | 600mA         | 0.15 Ω                | 14       | 500MHz           | 15000MHz                        |
| LQP03TN1N8C02□ | 1.8nH ±0.2nH | 500MHz                    | 600mA         | 0.15 Ω                | 14       | 500MHz           | 15000MHz                        |

Operating temperature range (Self-temperature rise is not included): -55~125°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.

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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   | Inductance test frequency | Rated current | Max. of DC resistance | Q (min.) | Q test frequency | Self resonance frequency (min.) |
|----------------|--------------|---------------------------|---------------|-----------------------|----------|------------------|---------------------------------|
| LQP03TN1N9B02□ | 1.9nH ±0.1nH | 500MHz                    | 600mA         | 0.15 Ω                | 14       | 500MHz           | 12500MHz                        |
| LQP03TN1N9C02□ | 1.9nH ±0.2nH | 500MHz                    | 600mA         | 0.15 Ω                | 14       | 500MHz           | 12500MHz                        |
| LQP03TN2N0B02□ | 2.0nH ±0.1nH | 500MHz                    | 600mA         | 0.15 Ω                | 14       | 500MHz           | 12500MHz                        |
| LQP03TN2N0C02□ | 2.0nH ±0.2nH | 500MHz                    | 600mA         | 0.15 Ω                | 14       | 500MHz           | 12500MHz                        |
| LQP03TN2N1B02□ | 2.1nH ±0.1nH | 500MHz                    | 600mA         | 0.15 Ω                | 14       | 500MHz           | 11000MHz                        |
| LQP03TN2N1C02□ | 2.1nH ±0.2nH | 500MHz                    | 600mA         | 0.15 Ω                | 14       | 500MHz           | 11000MHz                        |
| LQP03TN2N2B02□ | 2.2nH ±0.1nH | 500MHz                    | 600mA         | 0.15 Ω                | 14       | 500MHz           | 11000MHz                        |
| LQP03TN2N2C02□ | 2.2nH ±0.2nH | 500MHz                    | 600mA         | 0.15 Ω                | 14       | 500MHz           | 11000MHz                        |
| LQP03TN2N3B02□ | 2.3nH ±0.1nH | 500MHz                    | 500mA         | 0.20 Ω                | 14       | 500MHz           | 10000MHz                        |
| LQP03TN2N3C02□ | 2.3nH ±0.2nH | 500MHz                    | 500mA         | 0.20 Ω                | 14       | 500MHz           | 10000MHz                        |
| LQP03TN2N4B02□ | 2.4nH ±0.1nH | 500MHz                    | 500mA         | 0.20 Ω                | 14       | 500MHz           | 10000MHz                        |
| LQP03TN2N4C02□ | 2.4nH ±0.2nH | 500MHz                    | 500mA         | 0.20 Ω                | 14       | 500MHz           | 10000MHz                        |
| LQP03TN2N5B02□ | 2.5nH ±0.1nH | 500MHz                    | 500mA         | 0.20 Ω                | 14       | 500MHz           | 10000MHz                        |
| LQP03TN2N5C02□ | 2.5nH ±0.2nH | 500MHz                    | 500mA         | 0.20 Ω                | 14       | 500MHz           | 10000MHz                        |
| LQP03TN2N6B02□ | 2.6nH ±0.1nH | 500MHz                    | 500mA         | 0.20 Ω                | 14       | 500MHz           | 10000MHz                        |
| LQP03TN2N6C02□ | 2.6nH ±0.2nH | 500MHz                    | 500mA         | 0.20 Ω                | 14       | 500MHz           | 10000MHz                        |
| LQP03TN2N7B02□ | 2.7nH ±0.1nH | 500MHz                    | 500mA         | 0.20 Ω                | 14       | 500MHz           | 10000MHz                        |
| LQP03TN2N7C02□ | 2.7nH ±0.2nH | 500MHz                    | 500mA         | 0.20 Ω                | 14       | 500MHz           | 10000MHz                        |
| LQP03TN2N8B02□ | 2.8nH ±0.1nH | 500MHz                    | 500mA         | 0.20 Ω                | 14       | 500MHz           | 9500MHz                         |
| LQP03TN2N8C02□ | 2.8nH ±0.2nH | 500MHz                    | 500mA         | 0.20 Ω                | 14       | 500MHz           | 9500MHz                         |
| LQP03TN2N9B02□ | 2.9nH ±0.1nH | 500MHz                    | 500mA         | 0.20 Ω                | 14       | 500MHz           | 9500MHz                         |
| LQP03TN2N9C02□ | 2.9nH ±0.2nH | 500MHz                    | 500mA         | 0.20 Ω                | 14       | 500MHz           | 9500MHz                         |
| LQP03TN3N0B02□ | 3.0nH ±0.1nH | 500MHz                    | 450mA         | 0.25 Ω                | 14       | 500MHz           | 9500MHz                         |
| LQP03TN3N0C02□ | 3.0nH ±0.2nH | 500MHz                    | 450mA         | 0.25 Ω                | 14       | 500MHz           | 9500MHz                         |
| LQP03TN3N1B02□ | 3.1nH ±0.1nH | 500MHz                    | 450mA         | 0.25 Ω                | 14       | 500MHz           | 8000MHz                         |
| LQP03TN3N1C02□ | 3.1nH ±0.2nH | 500MHz                    | 450mA         | 0.25 Ω                | 14       | 500MHz           | 8000MHz                         |
| LQP03TN3N2B02□ | 3.2nH ±0.1nH | 500MHz                    | 450mA         | 0.25 Ω                | 14       | 500MHz           | 8000MHz                         |
| LQP03TN3N2C02□ | 3.2nH ±0.2nH | 500MHz                    | 450mA         | 0.25 Ω                | 14       | 500MHz           | 8000MHz                         |
| LQP03TN3N3B02□ | 3.3nH ±0.1nH | 500MHz                    | 450mA         | 0.25 Ω                | 14       | 500MHz           | 8000MHz                         |
| LQP03TN3N3C02□ | 3.3nH ±0.2nH | 500MHz                    | 450mA         | 0.25 Ω                | 14       | 500MHz           | 8000MHz                         |
| LQP03TN3N4B02□ | 3.4nH ±0.1nH | 500MHz                    | 450mA         | 0.25 Ω                | 14       | 500MHz           | 7000MHz                         |
| LQP03TN3N4C02□ | 3.4nH ±0.2nH | 500MHz                    | 450mA         | 0.25 Ω                | 14       | 500MHz           | 7000MHz                         |
| LQP03TN3N5B02□ | 3.5nH ±0.1nH | 500MHz                    | 450mA         | 0.25 Ω                | 14       | 500MHz           | 7000MHz                         |
| LQP03TN3N5C02□ | 3.5nH ±0.2nH | 500MHz                    | 450mA         | 0.25 Ω                | 14       | 500MHz           | 7000MHz                         |
| LQP03TN3N6B02□ | 3.6nH ±0.1nH | 500MHz                    | 400mA         | 0.30 Ω                | 14       | 500MHz           | 6000MHz                         |
| LQP03TN3N6C02□ | 3.6nH ±0.2nH | 500MHz                    | 400mA         | 0.30 Ω                | 14       | 500MHz           | 6000MHz                         |
| LQP03TN3N7B02□ | 3.7nH ±0.1nH | 500MHz                    | 400mA         | 0.30 Ω                | 14       | 500MHz           | 6000MHz                         |
| LQP03TN3N7C02□ | 3.7nH ±0.2nH | 500MHz                    | 400mA         | 0.30 Ω                | 14       | 500MHz           | 6000MHz                         |
| LQP03TN3N8B02□ | 3.8nH ±0.1nH | 500MHz                    | 400mA         | 0.30 Ω                | 14       | 500MHz           | 6000MHz                         |
| LQP03TN3N8C02□ | 3.8nH ±0.2nH | 500MHz                    | 400mA         | 0.30 Ω                | 14       | 500MHz           | 6000MHz                         |
| LQP03TN3N9B02□ | 3.9nH ±0.1nH | 500MHz                    | 400mA         | 0.30 Ω                | 14       | 500MHz           | 5700MHz                         |
| LQP03TN3N9C02□ | 3.9nH ±0.2nH | 500MHz                    | 400mA         | 0.30 Ω                | 14       | 500MHz           | 5700MHz                         |
| LQP03TN4N0B02□ | 4.0nH ±0.1nH | 500MHz                    | 350mA         | 0.40 Ω                | 14       | 500MHz           | 5300MHz                         |
| LQP03TN4N0C02□ | 4.0nH ±0.2nH | 500MHz                    | 350mA         | 0.40 Ω                | 14       | 500MHz           | 5300MHz                         |
| LQP03TN4N1B02□ | 4.1nH ±0.1nH | 500MHz                    | 350mA         | 0.40 Ω                | 14       | 500MHz           | 5300MHz                         |

Operating temperature range (Self-temperature rise is not included): -55~125°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   | Inductance test frequency | Rated current | Max. of DC resistance | Q (min.) | Q test frequency | Self resonance frequency (min.) |
|----------------|--------------|---------------------------|---------------|-----------------------|----------|------------------|---------------------------------|
| LQP03TN4N1C02□ | 4.1nH ±0.2nH | 500MHz                    | 350mA         | 0.40 Ω                | 14       | 500MHz           | 5300MHz                         |
| LQP03TN4N2B02□ | 4.2nH ±0.1nH | 500MHz                    | 350mA         | 0.40 Ω                | 14       | 500MHz           | 5300MHz                         |
| LQP03TN4N2C02□ | 4.2nH ±0.2nH | 500MHz                    | 350mA         | 0.40 Ω                | 14       | 500MHz           | 5300MHz                         |
| LQP03TN4N3H02□ | 4.3nH ±3%    | 500MHz                    | 350mA         | 0.40 Ω                | 14       | 500MHz           | 5300MHz                         |
| LQP03TN4N3J02□ | 4.3nH ±5%    | 500MHz                    | 350mA         | 0.40 Ω                | 14       | 500MHz           | 5300MHz                         |
| LQP03TN4N7H02□ | 4.7nH ±3%    | 500MHz                    | 350mA         | 0.40 Ω                | 14       | 500MHz           | 4400MHz                         |
| LQP03TN4N7J02□ | 4.7nH ±5%    | 500MHz                    | 350mA         | 0.40 Ω                | 14       | 500MHz           | 4400MHz                         |
| LQP03TN5N1H02□ | 5.1nH ±3%    | 500MHz                    | 350mA         | 0.40 Ω                | 14       | 500MHz           | 4200MHz                         |
| LQP03TN5N1J02□ | 5.1nH ±5%    | 500MHz                    | 350mA         | 0.40 Ω                | 14       | 500MHz           | 4200MHz                         |
| LQP03TN5N6H02□ | 5.6nH ±3%    | 500MHz                    | 350mA         | 0.40 Ω                | 14       | 500MHz           | 4000MHz                         |
| LQP03TN5N6J02□ | 5.6nH ±5%    | 500MHz                    | 350mA         | 0.40 Ω                | 14       | 500MHz           | 4000MHz                         |
| LQP03TN6N2H02□ | 6.2nH ±3%    | 500MHz                    | 300mA         | 0.60 Ω                | 14       | 500MHz           | 4000MHz                         |
| LQP03TN6N2J02□ | 6.2nH ±5%    | 500MHz                    | 300mA         | 0.60 Ω                | 14       | 500MHz           | 4000MHz                         |
| LQP03TN6N8H02□ | 6.8nH ±3%    | 500MHz                    | 300mA         | 0.60 Ω                | 14       | 500MHz           | 3900MHz                         |
| LQP03TN6N8J02□ | 6.8nH ±5%    | 500MHz                    | 300mA         | 0.60 Ω                | 14       | 500MHz           | 3900MHz                         |
| LQP03TN7N5H02□ | 7.5nH ±3%    | 500MHz                    | 300mA         | 0.60 Ω                | 14       | 500MHz           | 3700MHz                         |
| LQP03TN7N5J02□ | 7.5nH ±5%    | 500MHz                    | 300mA         | 0.60 Ω                | 14       | 500MHz           | 3700MHz                         |
| LQP03TN8N2H02□ | 8.2nH ±3%    | 500MHz                    | 250mA         | 0.70 Ω                | 14       | 500MHz           | 3600MHz                         |
| LQP03TN8N2J02□ | 8.2nH ±5%    | 500MHz                    | 250mA         | 0.70 Ω                | 14       | 500MHz           | 3600MHz                         |
| LQP03TN9N1H02□ | 9.1nH ±3%    | 500MHz                    | 250mA         | 0.70 Ω                | 14       | 500MHz           | 3300MHz                         |
| LQP03TN9N1J02□ | 9.1nH ±5%    | 500MHz                    | 250mA         | 0.70 Ω                | 14       | 500MHz           | 3300MHz                         |
| LQP03TN10NH02□ | 10nH ±3%     | 500MHz                    | 250mA         | 0.70 Ω                | 14       | 500MHz           | 3200MHz                         |
| LQP03TN10NJ02□ | 10nH ±5%     | 500MHz                    | 250mA         | 0.70 Ω                | 14       | 500MHz           | 3200MHz                         |
| LQP03TN11NH02□ | 11nH ±3%     | 500MHz                    | 250mA         | 0.80 Ω                | 14       | 500MHz           | 2900MHz                         |
| LQP03TN11NJ02□ | 11nH ±5%     | 500MHz                    | 250mA         | 0.80 Ω                | 14       | 500MHz           | 2900MHz                         |
| LQP03TN12NH02□ | 12nH ±3%     | 500MHz                    | 250mA         | 0.70 Ω                | 12       | 500MHz           | 2900MHz                         |
| LQP03TN12NJ02□ | 12nH ±5%     | 500MHz                    | 250mA         | 0.70 Ω                | 12       | 500MHz           | 2900MHz                         |
| LQP03TN13NH02□ | 13nH ±3%     | 500MHz                    | 250mA         | 0.80 Ω                | 12       | 500MHz           | 2600MHz                         |
| LQP03TN13NJ02□ | 13nH ±5%     | 500MHz                    | 250mA         | 0.80 Ω                | 12       | 500MHz           | 2600MHz                         |
| LQP03TN15NH02□ | 15nH ±3%     | 500MHz                    | 250mA         | 0.70 Ω                | 12       | 500MHz           | 2600MHz                         |
| LQP03TN15NJ02□ | 15nH ±5%     | 500MHz                    | 250mA         | 0.70 Ω                | 12       | 500MHz           | 2600MHz                         |
| LQP03TN16NH02□ | 16nH ±3%     | 500MHz                    | 200mA         | 0.95 Ω                | 12       | 500MHz           | 2200MHz                         |
| LQP03TN16NJ02□ | 16nH ±5%     | 500MHz                    | 200mA         | 0.95 Ω                | 12       | 500MHz           | 2200MHz                         |
| LQP03TN18NH02□ | 18nH ±3%     | 500MHz                    | 200mA         | 0.80 Ω                | 12       | 500MHz           | 2200MHz                         |
| LQP03TN18NJ02□ | 18nH ±5%     | 500MHz                    | 200mA         | 0.80 Ω                | 12       | 500MHz           | 2200MHz                         |
| LQP03TN20NH02□ | 20nH ±3%     | 500MHz                    | 150mA         | 2.30 Ω                | 12       | 500MHz           | 2200MHz                         |
| LQP03TN20NJ02□ | 20nH ±5%     | 500MHz                    | 150mA         | 2.30 Ω                | 12       | 500MHz           | 2200MHz                         |
| LQP03TN22NH02□ | 22nH ±3%     | 500MHz                    | 150mA         | 1.90 Ω                | 12       | 500MHz           | 2200MHz                         |
| LQP03TN22NJ02□ | 22nH ±5%     | 500MHz                    | 150mA         | 1.90 Ω                | 12       | 500MHz           | 2200MHz                         |
| LQP03TN24NH02□ | 24nH ±3%     | 500MHz                    | 140mA         | 2.30 Ω                | 12       | 500MHz           | 2000MHz                         |
| LQP03TN24NJ02□ | 24nH ±5%     | 500MHz                    | 140mA         | 2.30 Ω                | 12       | 500MHz           | 2000MHz                         |
| LQP03TN27NH02□ | 27nH ±3%     | 500MHz                    | 140mA         | 2.30 Ω                | 12       | 500MHz           | 2000MHz                         |
| LQP03TN27NJ02□ | 27nH ±5%     | 500MHz                    | 140mA         | 2.30 Ω                | 12       | 500MHz           | 2000MHz                         |
| LQP03TN30NH02□ | 30nH ±3%     | 500MHz                    | 120mA         | 2.95 Ω                | 9        | 500MHz           | 1700MHz                         |
| LQP03TN30NJ02□ | 30nH ±5%     | 500MHz                    | 120mA         | 2.95 Ω                | 9        | 500MHz           | 1700MHz                         |

Operating temperature range (Self-temperature rise is not included): -55~125°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:**

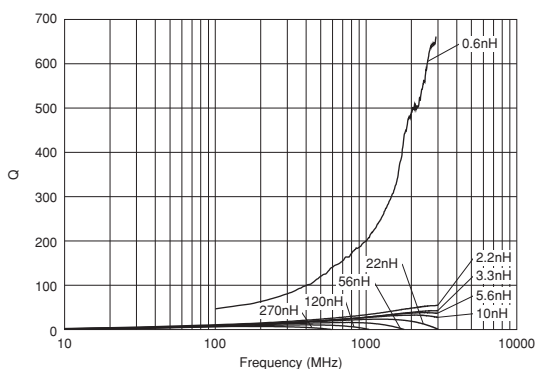
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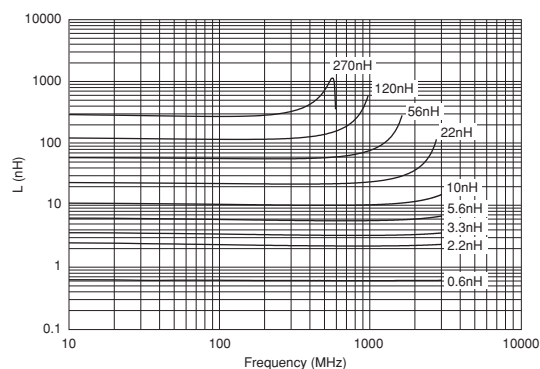
| Part Number    | Inductance | Inductance test frequency | Rated current | Max. of DC resistance | Q (min.) | Q test frequency | Self resonance frequency (min.) |
|----------------|------------|---------------------------|---------------|-----------------------|----------|------------------|---------------------------------|
| LQP03TN33NJ02□ | 33nH ±5%   | 300MHz                    | 120mA         | 2.95 Ω                | 9        | 300MHz           | 1700MHz                         |
| LQP03TN36NJ02□ | 36nH ±5%   | 300MHz                    | 120mA         | 3.00 Ω                | 9        | 300MHz           | 1500MHz                         |
| LQP03TN39NJ02□ | 39nH ±5%   | 300MHz                    | 120mA         | 3.00 Ω                | 9        | 300MHz           | 1500MHz                         |
| LQP03TN43NJ02□ | 43nH ±5%   | 300MHz                    | 100mA         | 3.60 Ω                | 9        | 300MHz           | 1300MHz                         |
| LQP03TN47NJ02□ | 47nH ±5%   | 300MHz                    | 100mA         | 3.60 Ω                | 9        | 300MHz           | 1300MHz                         |
| LQP03TN51NJ02□ | 51nH ±5%   | 300MHz                    | 100mA         | 3.90 Ω                | 9        | 300MHz           | 1200MHz                         |
| LQP03TN56NJ02□ | 56nH ±5%   | 300MHz                    | 100mA         | 3.90 Ω                | 9        | 300MHz           | 1200MHz                         |
| LQP03TN62NJ02□ | 62nH ±5%   | 300MHz                    | 100mA         | 8 Ω                   | 8        | 300MHz           | 1100MHz                         |
| LQP03TN68NJ02□ | 68nH ±5%   | 300MHz                    | 100mA         | 8 Ω                   | 8        | 300MHz           | 1100MHz                         |
| LQP03TN75NJ02□ | 75nH ±5%   | 300MHz                    | 100mA         | 10 Ω                  | 8        | 300MHz           | 1000MHz                         |
| LQP03TN82NJ02□ | 82nH ±5%   | 300MHz                    | 100mA         | 10 Ω                  | 8        | 300MHz           | 1000MHz                         |
| LQP03TN91NJ02□ | 91nH ±5%   | 300MHz                    | 80mA          | 10 Ω                  | 8        | 300MHz           | 900MHz                          |
| LQP03TNR10J02□ | 100nH ±5%  | 300MHz                    | 80mA          | 10 Ω                  | 8        | 300MHz           | 900MHz                          |
| LQP03TNR11J02□ | 110nH ±5%  | 300MHz                    | 80mA          | 12 Ω                  | 8        | 300MHz           | 800MHz                          |
| LQP03TNR12J02□ | 120nH ±5%  | 300MHz                    | 80mA          | 12 Ω                  | 8        | 300MHz           | 800MHz                          |
| LQP03TNR13J02□ | 130nH ±5%  | 100MHz                    | 80mA          | 9 Ω                   | 5        | 100MHz           | 650MHz                          |
| LQP03TNR15J02□ | 150nH ±5%  | 100MHz                    | 80mA          | 9 Ω                   | 5        | 100MHz           | 650MHz                          |
| LQP03TNR16J02□ | 160nH ±5%  | 100MHz                    | 70mA          | 11 Ω                  | 5        | 100MHz           | 600MHz                          |
| LQP03TNR18J02□ | 180nH ±5%  | 100MHz                    | 70mA          | 11 Ω                  | 5        | 100MHz           | 600MHz                          |
| LQP03TNR20J02□ | 200nH ±5%  | 100MHz                    | 60mA          | 13 Ω                  | 5        | 100MHz           | 500MHz                          |
| LQP03TNR22J02□ | 220nH ±5%  | 100MHz                    | 60mA          | 13 Ω                  | 5        | 100MHz           | 500MHz                          |
| LQP03TNR24J02□ | 240nH ±5%  | 100MHz                    | 60mA          | 15 Ω                  | 5        | 100MHz           | 450MHz                          |
| LQP03TNR27J02□ | 270nH ±5%  | 100MHz                    | 60mA          | 15 Ω                  | 5        | 100MHz           | 450MHz                          |

Operating temperature range (Self-temperature rise is not included): -55~125°C  
Only for reflow soldering.

### 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:

- 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 approve our product specifications or transact the approval sheet for product specifications before ordering.