

Inductors for High-frequency Circuits Multilayer/High-Q

Conformity to RoHS Directive

MLG Series MLG0603P

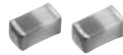
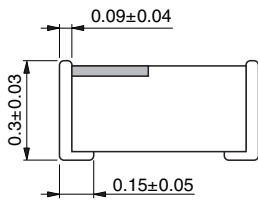
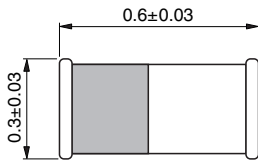
FEATURES

- It serializes a product of inductance 0.6 to 120nH.
- By the most suitable design, Q is higher than competing in a conventional product MLG0603S type. In particular, Q is more than 800MHz largely improved.
- Advanced monolithic structure is formed using a multilayering and sintering process with ceramic and conductive materials for high-frequency.
- The products contain no lead and also support lead-free soldering.
- It is a product conforming to RoHS directive.

APPLICATIONS

For high-frequency applications including mobile phones, high frequency modules (PA, VCO, FEM etc.), Bluetooth, W-LAN, UWB and tuners.

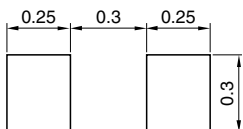
SHAPES AND DIMENSIONS



Weight: 0.2mg

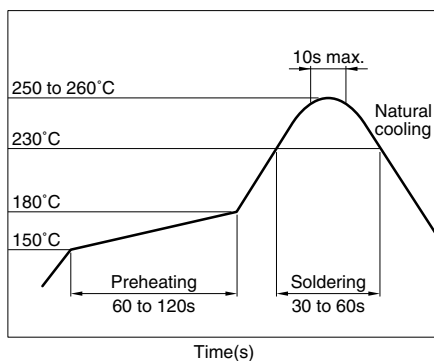
Dimensions in mm

RECOMMENDED PC BOARD PATTERN



Dimensions in mm

RECOMMENDED SOLDERING CONDITION REFLOW SOLDERING



PRODUCT IDENTIFICATION

| | | | | | | | |
|-----|------|-----|-----|-----|-----|--------------------------|--------------------------|
| MLG | 0603 | P | 2N2 | S | T | <input type="checkbox"/> | <input type="checkbox"/> |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | |

(1) Series name

(2) Dimensions L×W

0603 0.6×0.3mm (L×W)

(3) Type name

(4) Inductance

| | |
|-----|-------|
| 2N2 | 2.2nH |
| 12N | 12nH |

(5) Tolerance

| | |
|---|--------|
| B | ±0.1nH |
| C | ±0.2nH |
| S | ±0.3nH |
| H | ±3% |
| J | ±5% |

(6) Packaging style

T Taping (reel)

(7) TDK internal code

SPECIFICATIONS

| | |
|-----------------------------|----------------------------|
| Operating temperature range | -55 to +125°C |
| Storage temperature range | -55 to +125°C(After mount) |

PACKAGING STYLE AND QUANTITIES

| | |
|-----------------|-------------------|
| Packaging style | Quantity |
| Taping | 15000 pieces/reel |

HANDLING AND PRECAUTIONS

- Before soldering, be sure to preheat components. The preheating temperature should be set so that the temperature difference between the solder temperature and product temperature does not exceed 150°C.
- After mounting components onto the printed circuit board, do not apply stress through board bending or mishandling.
- When hand soldering, apply the soldering iron to the printed circuit board only. Temperature of the iron tip should not exceed 350°C. Soldering time should not exceed 3 seconds.

• Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

• Please contact our Sales office when your application is considered the following:

The device's failure or malfunction may directly endanger human life (e.g. application for automobile/aircraft/medical/nuclear power devices, etc.)

• All specifications are subject to change without notice.

ELECTRICAL CHARACTERISTICS

| Inductance (nH) | Inductance tolerance | Q min. | Test frequency L, Q (MHz) | Self-resonant frequency (GHz) | | DC resistance (Ω) | | Rated current (mA)max. | Part No.* |
|--------------------|--------------------------------------|-----------|------------------------------|-------------------------------------|------|-------------------------------|------|---------------------------|---------------|
| | | | | min. | typ. | max. | typ. | | |
| 0.6 | $\pm 0.1, \pm 0.2\text{nH}$ | — | 500 | 10.0 | 20.0 | 0.06 | 0.01 | 1000 | MLG0603P0N6□T |
| 0.7 | $\pm 0.1, \pm 0.2\text{nH}$ | — | 500 | 10.0 | 20.0 | 0.06 | 0.01 | 1000 | MLG0603P0N7□T |
| 0.8 | $\pm 0.1, \pm 0.2\text{nH}$ | — | 500 | 10.0 | 20.0 | 0.06 | 0.02 | 1000 | MLG0603P0N8□T |
| 0.9 | $\pm 0.1, \pm 0.2\text{nH}$ | — | 500 | 10.0 | 20.0 | 0.06 | 0.02 | 1000 | MLG0603P0N9□T |
| 1.0 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 10.0 | 20.0 | 0.07 | 0.02 | 1000 | MLG0603P1N0□T |
| 1.1 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 10.0 | 19.9 | 0.07 | 0.03 | 1000 | MLG0603P1N1□T |
| 1.2 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 10.0 | 16.0 | 0.08 | 0.04 | 800 | MLG0603P1N2□T |
| 1.3 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 10.0 | 13.9 | 0.08 | 0.03 | 800 | MLG0603P1N3□T |
| 1.4 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 10.0 | 11.7 | 0.09 | 0.04 | 800 | MLG0603P1N4□T |
| 1.5 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 10.0 | 14.9 | 0.10 | 0.03 | 800 | MLG0603P1N5□T |
| 1.6 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 10.0 | 13.4 | 0.10 | 0.03 | 700 | MLG0603P1N6□T |
| 1.7 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 10.0 | 12.8 | 0.10 | 0.02 | 700 | MLG0603P1N7□T |
| 1.8 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 9.0 | 10.7 | 0.10 | 0.03 | 700 | MLG0603P1N8□T |
| 1.9 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 9.0 | 10.9 | 0.10 | 0.04 | 600 | MLG0603P1N9□T |
| 2.0 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 8.5 | 10.1 | 0.10 | 0.03 | 600 | MLG0603P2N0□T |
| 2.1 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 8.0 | 9.8 | 0.10 | 0.05 | 600 | MLG0603P2N1□T |
| 2.2 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 7.5 | 9.0 | 0.10 | 0.07 | 600 | MLG0603P2N2□T |
| 2.3 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 7.5 | 8.4 | 0.20 | 0.07 | 600 | MLG0603P2N3□T |
| 2.4 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 7.5 | 10.9 | 0.20 | 0.12 | 500 | MLG0603P2N4□T |
| 2.5 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 7.5 | 9.9 | 0.20 | 0.09 | 500 | MLG0603P2N5□T |
| 2.6 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 7.5 | 10.1 | 0.20 | 0.14 | 500 | MLG0603P2N6□T |
| 2.7 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 7.5 | 10.0 | 0.20 | 0.14 | 500 | MLG0603P2N7□T |
| 2.8 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 7.5 | 9.9 | 0.20 | 0.10 | 500 | MLG0603P2N8□T |
| 2.9 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 7.5 | 9.2 | 0.20 | 0.10 | 500 | MLG0603P2N9□T |
| 3.0 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 7.5 | 9.1 | 0.20 | 0.14 | 450 | MLG0603P3N0□T |
| 3.1 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 7.5 | 8.8 | 0.20 | 0.10 | 450 | MLG0603P3N1□T |
| 3.2 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 7.5 | 8.4 | 0.20 | 0.14 | 450 | MLG0603P3N2□T |
| 3.3 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 7.5 | 8.4 | 0.20 | 0.13 | 450 | MLG0603P3N3□T |
| 3.4 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 7.0 | 8.1 | 0.20 | 0.13 | 450 | MLG0603P3N4□T |
| 3.5 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 6.5 | 8.0 | 0.20 | 0.12 | 450 | MLG0603P3N5□T |
| 3.6 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 6.5 | 7.7 | 0.20 | 0.10 | 400 | MLG0603P3N6□T |
| 3.7 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 6.5 | 7.4 | 0.20 | 0.14 | 400 | MLG0603P3N7□T |
| 3.8 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 5.8 | 7.0 | 0.30 | 0.24 | 400 | MLG0603P3N8□T |
| 3.9 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 5.8 | 7.1 | 0.30 | 0.22 | 400 | MLG0603P3N9□T |
| 4.0 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 5.8 | 6.7 | 0.40 | 0.21 | 350 | MLG0603P4N0□T |
| 4.1 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 5.8 | 6.7 | 0.40 | 0.29 | 350 | MLG0603P4N1□T |
| 4.2 | $\pm 0.1, \pm 0.2, 0.3\text{nH}$ | 14 | 500 | 5.8 | 6.6 | 0.40 | 0.24 | 350 | MLG0603P4N2□T |
| 4.3 | $\pm 3\%, \pm 5\%, \pm 0.3\text{nH}$ | 14 | 500 | 5.8 | 6.7 | 0.40 | 0.24 | 350 | MLG0603P4N3□T |
| 4.7 | $\pm 3\%, \pm 5\%, \pm 0.3\text{nH}$ | 14 | 500 | 5.5 | 6.9 | 0.40 | 0.16 | 350 | MLG0603P4N7□T |
| 5.1 | $\pm 3\%, \pm 5\%, \pm 0.3\text{nH}$ | 14 | 500 | 5.5 | 6.6 | 0.40 | 0.30 | 350 | MLG0603P5N1□T |
| 5.6 | $\pm 3\%, \pm 5\%, \pm 0.3\text{nH}$ | 14 | 500 | 4.0 | 5.3 | 0.40 | 0.32 | 350 | MLG0603P5N6□T |
| 6.2 | $\pm 3\%, \pm 5\%, \pm 0.3\text{nH}$ | 14 | 500 | 4.0 | 6.3 | 0.70 | 0.59 | 300 | MLG0603P6N2□T |
| 6.8 | $\pm 3\%, \pm 5\%$ | 14 | 500 | 4.0 | 6.1 | 0.75 | 0.62 | 300 | MLG0603P6N8□T |
| 7.5 | $\pm 3\%, \pm 5\%$ | 14 | 500 | 4.0 | 5.4 | 0.80 | 0.70 | 300 | MLG0603P7N5□T |
| 8.2 | $\pm 3\%, \pm 5\%$ | 14 | 500 | 4.0 | 5.2 | 0.85 | 0.71 | 250 | MLG0603P8N2□T |
| 9.1 | $\pm 3\%, \pm 5\%$ | 14 | 500 | 4.0 | 5.0 | 0.90 | 0.76 | 250 | MLG0603P9N1□T |
| 10 | $\pm 3\%, \pm 5\%$ | 14 | 500 | 4.0 | 4.7 | 0.95 | 0.85 | 250 | MLG0603P10N□T |
| 11 | $\pm 3\%, \pm 5\%$ | 14 | 500 | 3.5 | 4.5 | 1.00 | 0.64 | 250 | MLG0603P11N□T |
| 12 | $\pm 3\%, \pm 5\%$ | 14 | 500 | 3.5 | 4.3 | 1.10 | 0.82 | 250 | MLG0603P12N□T |
| 13 | $\pm 3\%, \pm 5\%$ | 14 | 500 | 3.2 | 4.2 | 1.10 | 0.87 | 250 | MLG0603P13N□T |
| 15 | $\pm 3\%, \pm 5\%$ | 14 | 500 | 3.2 | 3.7 | 1.20 | 0.94 | 250 | MLG0603P15N□T |
| 16 | $\pm 3\%, \pm 5\%$ | 14 | 500 | 3.0 | 3.6 | 1.20 | 1.00 | 200 | MLG0603P16N□T |
| 18 | $\pm 3\%, \pm 5\%$ | 14 | 500 | 3.0 | 3.5 | 1.40 | 1.04 | 200 | MLG0603P18N□T |
| 20 | $\pm 3\%, \pm 5\%$ | 14 | 500 | 2.2 | 3.3 | 1.90 | 1.33 | 150 | MLG0603P20N□T |
| 22 | $\pm 3\%, \pm 5\%$ | 14 | 500 | 2.2 | 2.9 | 1.90 | 1.31 | 150 | MLG0603P22N□T |
| 24 | $\pm 3\%, \pm 5\%$ | 14 | 500 | 2.2 | 2.9 | 2.10 | 1.17 | 140 | MLG0603P24N□T |
| 27 | $\pm 3\%, \pm 5\%$ | 14 | 500 | 2.2 | 2.7 | 2.10 | 1.45 | 140 | MLG0603P27N□T |

• All specifications are subject to change without notice.

ELECTRICAL CHARACTERISTICS

| Inductance (nH) | Inductance tolerance | Q min. | Test frequency L, Q (MHz) | Self-resonant frequency (GHz) | | DC resistance (Ω) | | Rated current (mA)max. | Part No.* |
|--------------------|-------------------------|-----------|------------------------------|-------------------------------------|------|-------------------------------|------|---------------------------|---------------|
| | | | | min. | typ. | max. | typ. | | |
| 30 | $\pm 3\%$, $\pm 5\%$ | 10 | 300 | 1.8 | 2.3 | 2.20 | 1.37 | 130 | MLG0603P30N□T |
| 33 | $\pm 3\%$, $\pm 5\%$ | 10 | 300 | 1.8 | 2.4 | 2.20 | 1.55 | 130 | MLG0603P33N□T |
| 36 | $\pm 3\%$, $\pm 5\%$ | 10 | 300 | 1.8 | 2.2 | 2.40 | 1.49 | 120 | MLG0603P36N□T |
| 39 | $\pm 3\%$, $\pm 5\%$ | 10 | 300 | 1.8 | 2.2 | 2.40 | 1.72 | 120 | MLG0603P39N□T |
| 43 | $\pm 3\%$, $\pm 5\%$ | 10 | 300 | 1.6 | 2.0 | 2.90 | 1.61 | 110 | MLG0603P43N□T |
| 47 | $\pm 3\%$, $\pm 5\%$ | 10 | 300 | 1.6 | 2.0 | 2.90 | 2.18 | 110 | MLG0603P47N□T |
| 51 | $\pm 3\%$, $\pm 5\%$ | 10 | 300 | 1.4 | 1.9 | 3.50 | 1.87 | 100 | MLG0603P51N□T |
| 56 | $\pm 3\%$, $\pm 5\%$ | 10 | 300 | 1.4 | 1.8 | 3.50 | 2.35 | 100 | MLG0603P56N□T |
| 62 | $\pm 3\%$, $\pm 5\%$ | 10 | 300 | 1.2 | 1.6 | 3.50 | 2.12 | 100 | MLG0603P62N□T |
| 68 | $\pm 3\%$, $\pm 5\%$ | 9 | 300 | 1.2 | 1.6 | 3.50 | 2.69 | 100 | MLG0603P68N□T |
| 75 | $\pm 3\%$, $\pm 5\%$ | 9 | 300 | 1.0 | 1.5 | 4.00 | 2.59 | 80 | MLG0603P75N□T |
| 82 | $\pm 3\%$, $\pm 5\%$ | 9 | 300 | 1.0 | 1.5 | 4.00 | 2.71 | 80 | MLG0603P82N□T |
| 91 | $\pm 3\%$, $\pm 5\%$ | 9 | 300 | 0.9 | 1.3 | 4.50 | 2.92 | 80 | MLG0603P91N□T |
| 100 | $\pm 3\%$, $\pm 5\%$ | 9 | 300 | 0.9 | 1.3 | 4.50 | 3.20 | 80 | MLG0603PR10□T |
| 110 | $\pm 3\%$, $\pm 5\%$ | 9 | 300 | 0.8 | 1.1 | 5.00 | 3.50 | 80 | MLG0603PR11□T |
| 120 | $\pm 3\%$, $\pm 5\%$ | 9 | 300 | 0.8 | 1.0 | 5.00 | 3.79 | 80 | MLG0603PR12□T |

* □: Please specify inductance tolerance, B (± 0.1 nH), C (± 0.2 nH), S (± 0.3 nH), H ($\pm 3\%$) or J ($\pm 5\%$).
Please contact us for information on inductance tolerance, G ($\pm 2\%$).

- Test equipment

Inductance Q : HP4291A+16197A, or equivalent

SRF: HP8720C, or equivalent

Rdc: YOKOGAWA TYPE7561, or equivalent

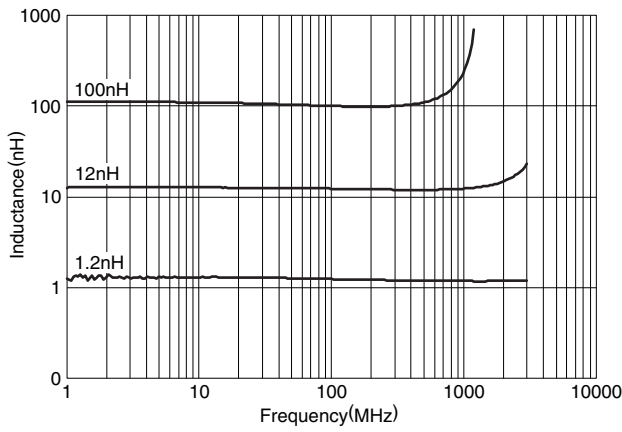
- Short bar residual inductance =0.43nH

L, Q vs. FREQUENCY CHARACTERISTICS

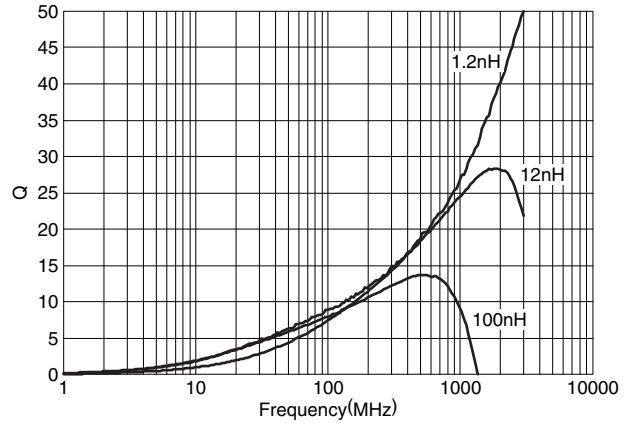
| Part No. | Inductance(nH)typ. | | | | | Q typ. | | | | |
|-------------|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 500MHz | 800MHz | 1.8GHz | 2.0GHz | 2.4GHz | 500MHz | 800MHz | 1.8GHz | 2.0GHz | 2.4GHz |
| MLG0603P0N6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 16min. | 22min. | 35min. | 37min. | 41min. |
| MLG0603P0N7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 16min. | 22min. | 35min. | 37min. | 41min. |
| MLG0603P0N8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.4 | 16 | 22 | 35 | 37 | 41 |
| MLG0603P0N9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 17 | 22 | 35 | 37 | 41 |
| MLG0603P1N0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 16 | 21 | 33 | 36 | 40 |
| MLG0603P1N1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 17 | 23 | 36 | 38 | 43 |
| MLG0603P1N2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 18 | 24 | 38 | 40 | 45 |
| MLG0603P1N3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 17 | 22 | 34 | 36 | 40 |
| MLG0603P1N4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 18 | 23 | 36 | 39 | 43 |
| MLG0603P1N5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 17 | 22 | 33 | 35 | 39 |
| MLG0603P1N6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 17 | 22 | 33 | 35 | 38 |
| MLG0603P1N7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 17 | 22 | 33 | 35 | 39 |
| MLG0603P1N8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 17 | 22 | 34 | 35 | 39 |
| MLG0603P1N9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 18 | 24 | 36 | 38 | 42 |
| MLG0603P2N0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 19 | 23 | 35 | 37 | 41 |
| MLG0603P2N1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 18 | 23 | 34 | 36 | 39 |
| MLG0603P2N2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.3 | 18 | 23 | 35 | 36 | 40 |
| MLG0603P2N3 | 2.3 | 2.3 | 2.3 | 2.4 | 2.4 | 18 | 22 | 33 | 35 | 38 |
| MLG0603P2N4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 16 | 21 | 31 | 33 | 36 |
| MLG0603P2N5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 17 | 22 | 33 | 34 | 38 |
| MLG0603P2N6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 17 | 22 | 33 | 35 | 38 |
| MLG0603P2N7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 17 | 21 | 33 | 35 | 38 |
| MLG0603P2N8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.9 | 17 | 22 | 34 | 36 | 40 |
| MLG0603P2N9 | 2.9 | 2.9 | 2.9 | 2.9 | 3.0 | 17 | 22 | 34 | 35 | 39 |
| MLG0603P3N0 | 3.0 | 3.0 | 3.0 | 3.1 | 3.1 | 17 | 21 | 32 | 34 | 37 |
| MLG0603P3N1 | 3.1 | 3.1 | 3.1 | 3.2 | 3.2 | 17 | 22 | 33 | 34 | 37 |
| MLG0603P3N2 | 3.2 | 3.2 | 3.2 | 3.3 | 3.3 | 17 | 22 | 34 | 35 | 38 |
| MLG0603P3N3 | 3.3 | 3.3 | 3.4 | 3.4 | 3.4 | 18 | 22 | 33 | 35 | 38 |
| MLG0603P3N4 | 3.4 | 3.4 | 3.5 | 3.5 | 3.6 | 18 | 23 | 34 | 35 | 38 |
| MLG0603P3N5 | 3.5 | 3.5 | 3.6 | 3.6 | 3.7 | 18 | 23 | 34 | 35 | 38 |
| MLG0603P3N6 | 3.6 | 3.6 | 3.7 | 3.7 | 3.8 | 18 | 22 | 33 | 34 | 37 |
| MLG0603P3N7 | 3.7 | 3.7 | 3.8 | 3.9 | 4.0 | 18 | 23 | 34 | 35 | 37 |
| MLG0603P3N8 | 3.8 | 3.8 | 3.9 | 4.0 | 4.1 | 17 | 22 | 32 | 33 | 36 |
| MLG0603P3N9 | 3.9 | 3.9 | 4.0 | 4.1 | 4.2 | 17 | 22 | 32 | 34 | 36 |
| MLG0603P4N0 | 4.0 | 4.0 | 4.1 | 4.2 | 4.4 | 18 | 22 | 32 | 33 | 36 |
| MLG0603P4N1 | 4.1 | 4.1 | 4.3 | 4.3 | 4.5 | 18 | 22 | 33 | 34 | 36 |
| MLG0603P4N2 | 4.2 | 4.2 | 4.4 | 4.5 | 4.6 | 18 | 22 | 32 | 33 | 35 |
| MLG0603P4N3 | 4.3 | 4.3 | 4.5 | 4.5 | 4.7 | 17 | 21 | 32 | 33 | 35 |
| MLG0603P4N7 | 4.7 | 4.7 | 4.9 | 5.0 | 5.1 | 16 | 21 | 31 | 32 | 34 |
| MLG0603P5N1 | 5.1 | 5.1 | 5.3 | 5.4 | 5.7 | 16 | 21 | 31 | 32 | 34 |
| MLG0603P5N6 | 5.6 | 5.6 | 6.1 | 6.2 | 6.6 | 18 | 22 | 31 | 32 | 32 |
| MLG0603P6N2 | 6.2 | 6.2 | 6.5 | 6.7 | 7.0 | 16 | 21 | 30 | 31 | 33 |
| MLG0603P6N8 | 6.8 | 6.8 | 7.3 | 7.5 | 8.0 | 16 | 21 | 29 | 30 | 31 |
| MLG0603P7N5 | 7.5 | 7.5 | 8.1 | 8.3 | 8.8 | 16 | 21 | 30 | 30 | 32 |
| MLG0603P8N2 | 8.2 | 8.2 | 9.0 | 9.3 | 10.0 | 17 | 21 | 30 | 30 | 31 |
| MLG0603P9N1 | 9.1 | 9.1 | 10.0 | 10.3 | 11.1 | 17 | 21 | 30 | 31 | 32 |
| MLG0603P10N | 10 | 10 | 11 | 12 | 13 | 16 | 21 | 28 | 28 | 28 |
| MLG0603P11N | 11 | 11 | 13 | 13 | 15 | 18 | 23 | 30 | 30 | 30 |
| MLG0603P12N | 12 | 12 | 14 | 15 | 17 | 18 | 22 | 28 | 28 | 27 |
| MLG0603P13N | 13 | 13 | 15 | 16 | 19 | 18 | 22 | 28 | 28 | 26 |
| MLG0603P15N | 15 | 15 | 18 | 20 | 24 | 18 | 22 | 27 | 26 | 24 |
| MLG0603P16N | 16 | 16 | 20 | 22 | 27 | 18 | 22 | 26 | 25 | 22 |
| MLG0603P18N | 18 | 18 | 23 | 26 | 33 | 18 | 22 | 25 | 24 | 20 |
| MLG0603P20N | 20 | 21 | 27 | 31 | 42 | 18 | 22 | 23 | 22 | 17 |
| MLG0603P22N | 22 | 23 | 34 | 40 | 68 | 18 | 21 | 21 | 18 | 11 |
| MLG0603P24N | 24 | 25 | 36 | 43 | 72 | 19 | 22 | 21 | 18 | 11 |
| MLG0603P27N | 27 | 28 | 45 | 57 | | 18 | 21 | 18 | 15 | |
| MLG0603P30N | 30 | 32 | 59 | | | 18 | 21 | 15 | | |
| MLG0603P33N | 33 | 36 | 68 | | | 15 | 17 | 11 | | |
| MLG0603P36N | 37 | 39 | | | | 16 | 17 | | | |
| MLG0603P39N | 40 | 43 | | | | 15 | 17 | | | |
| MLG0603P43N | 44 | 48 | | | | 15 | 16 | | | |
| MLG0603P47N | 48 | 53 | | | | 15 | 16 | | | |
| MLG0603P51N | 53 | 59 | | | | 15 | 16 | | | |
| MLG0603P56N | 58 | 66 | | | | 15 | 15 | | | |
| MLG0603P62N | 65 | 76 | | | | 15 | 15 | | | |
| MLG0603P68N | 71 | 82 | | | | 15 | 15 | | | |
| MLG0603P75N | 79 | 97 | | | | 14 | 13 | | | |
| MLG0603P82N | 87 | 109 | | | | 14 | 13 | | | |
| MLG0603P91N | 99 | 132 | | | | 13 | 12 | | | |
| MLG0603PR10 | 110 | 152 | | | | 14 | 12 | | | |
| MLG0603PR11 | 126 | 211 | | | | 13 | 9 | | | |
| MLG0603PR12 | 151 | | | | | 12 | | | | |

• All specifications are subject to change without notice.

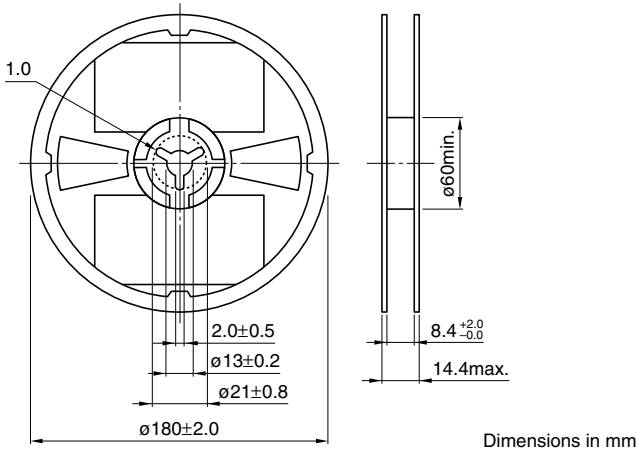
TYPICAL ELECTRICAL CHARACTERISTICS INDUCTANCE vs. FREQUENCY CHARACTERISTICS



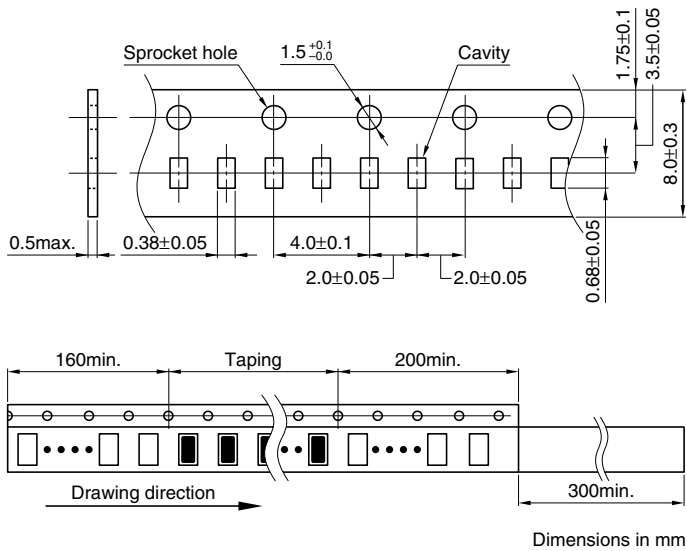
Q vs. FREQUENCY CHARACTERISTICS



PACKAGING STYLES REEL DIMENSIONS



TAPE DIMENSIONS



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