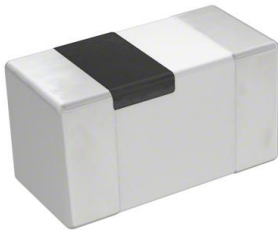


MLG0603S1N3CT000 Datasheet

www.digi-electronics.com



<https://www.DiGi-Electronics.com>

| | |
|------------------------------|--|
| DiGi Electronics Part Number | MLG0603S1N3CT000-DG |
| Manufacturer | TDK Corporation |
| Manufacturer Product Number | MLG0603S1N3CT000 |
| Description | FIXED IND 1.3NH 550MA 150MOHM SM |
| Detailed Description | 1.3 nH Unshielded Multilayer Inductor 550 mA 150m Ohm Max 0201 (0603 Metric) |



Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.

Purchase and inquiry

Manufacturer Product Number:

MLG0603S1N3CT000

Series:

MLG

Type:

Multilayer

Inductance:

1.3 nH

Current Rating (Amps):

550 mA

Shielding:

Unshielded

Q @ Freq:

4 @ 100MHz

Ratings:

-

Inductance Frequency - Test:

100 MHz

Package / Case:

0201 (0603 Metric)

Size / Dimension:

0.024" L x 0.012" W (0.60mm x 0.30mm)

Manufacturer:

TDK Corporation

Product Status:

Active

Material - Core:

Ceramic, Non-Magnetic

Tolerance:

±0.2nH

Current - Saturation (Isat):

-

DC Resistance (DCR):

150mOhm Max

Frequency - Self Resonant:

9GHz

Operating Temperature:

-55°C ~ 125°C

Mounting Type:

Surface Mount

Supplier Device Package:

0201 (0603 Metric)

Height - Seated (Max):

0.013" (0.33mm)

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8504.50.8000

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99

Inductors for high frequency circuits
Multilayer ceramic
MLG series



MLG0603S type



FEATURES

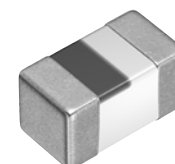
- Advanced monolithic structure is formed using a multilayering and sintering process with ceramic and conductive materials for high-frequency.
- Operating temperature range: -55 to +125°C

APPLICATION

- Smart phones, tablet terminals, high frequency modules, Bluetooth, W-LAN, UWB, tuners and other high frequency circuits for the mobile communication industry
- Application guides: [Smart phones/tablets](#)

PART NUMBER CONSTRUCTION

| | | | | | | |
|-------------|------------------------------------|-----------------------|-----------------|----------------------|-----------------|---------------|
| MLG | 0603 | S | 0N3 | S | T | 000 |
| Series name | LxWxH dimensions 0.6x0.3x0.3 mm | Product internal code | Inductance (nH) | Inductance tolerance | Packaging style | Internal code |



MLG0603S type

CHARACTERISTICS SPECIFICATION TABLE

| L (nH) | Q Tolerance | L, Q measuring frequency min. (MHz) | Self-resonant frequency | | DC resistance | | Rated current (mA)max. | Part No.* | |
|-----------|----------------|--|----------------------------|-----------|------------------|------------------|---------------------------|-----------|----------------------------------|
| | | | (GHz)min. | (GHz)typ. | (Ω)max. | (Ω)typ. | | | |
| 0.3 | ± 0.1 nH | — | 100 | 10.0 | 20up | 0.10 | 0.02 | 600 | MLG0603S0N3BT000 |
| 0.3 | ± 0.2 nH | — | 100 | 10.0 | 20up | 0.10 | 0.02 | 600 | MLG0603S0N3CT000 |
| 0.4 | ± 0.1 nH | — | 100 | 10.0 | 20up | 0.10 | 0.02 | 600 | MLG0603S0N4BT000 |
| 0.4 | ± 0.2 nH | — | 100 | 10.0 | 20up | 0.10 | 0.02 | 600 | MLG0603S0N4CT000 |
| 0.5 | ± 0.1 nH | — | 100 | 10.0 | 20up | 0.10 | 0.02 | 600 | MLG0603S0N5BT000 |
| 0.5 | ± 0.2 nH | — | 100 | 10.0 | 20up | 0.10 | 0.02 | 600 | MLG0603S0N5CT000 |
| 0.6 | ± 0.1 nH | — | 100 | 10.0 | 20up | 0.10 | 0.02 | 600 | MLG0603S0N6BT000 |
| 0.6 | ± 0.2 nH | — | 100 | 10.0 | 20up | 0.10 | 0.02 | 600 | MLG0603S0N6CT000 |
| 0.7 | ± 0.1 nH | — | 100 | 10.0 | 16.3 | 0.10 | 0.02 | 600 | MLG0603S0N7BT000 |
| 0.7 | ± 0.2 nH | — | 100 | 10.0 | 16.3 | 0.10 | 0.02 | 600 | MLG0603S0N7CT000 |
| 0.8 | ± 0.1 nH | — | 100 | 10.0 | 16.1 | 0.10 | 0.03 | 600 | MLG0603S0N8BT000 |
| 0.8 | ± 0.2 nH | — | 100 | 10.0 | 16.1 | 0.10 | 0.03 | 600 | MLG0603S0N8CT000 |
| 0.9 | ± 0.1 nH | — | 100 | 10.0 | 13.8 | 0.10 | 0.03 | 600 | MLG0603S0N9BT000 |
| 0.9 | ± 0.2 nH | — | 100 | 10.0 | 13.8 | 0.10 | 0.03 | 600 | MLG0603S0N9CT000 |
| 1.0 | ± 0.1 nH | 4 | 100 | 10.0 | 14.4 | 0.10 | 0.04 | 600 | MLG0603S1N0BT000 |
| 1.0 | ± 0.2 nH | 4 | 100 | 10.0 | 14.4 | 0.10 | 0.04 | 600 | MLG0603S1N0CT000 |
| 1.0 | ± 0.3 nH | 4 | 100 | 10.0 | 14.4 | 0.10 | 0.04 | 600 | MLG0603S1N0ST000 |
| 1.1 | ± 0.1 nH | 4 | 100 | 10.0 | 13.6 | 0.15 | 0.04 | 550 | MLG0603S1N1BT000 |
| 1.1 | ± 0.2 nH | 4 | 100 | 10.0 | 13.6 | 0.15 | 0.04 | 550 | MLG0603S1N1CT000 |
| 1.1 | ± 0.3 nH | 4 | 100 | 10.0 | 13.6 | 0.15 | 0.04 | 550 | MLG0603S1N1ST000 |
| 1.2 | ± 0.1 nH | 4 | 100 | 10.0 | 12.3 | 0.15 | 0.06 | 550 | MLG0603S1N2BT000 |
| 1.2 | ± 0.2 nH | 4 | 100 | 10.0 | 12.3 | 0.15 | 0.06 | 550 | MLG0603S1N2CT000 |
| 1.2 | ± 0.3 nH | 4 | 100 | 10.0 | 12.3 | 0.15 | 0.06 | 550 | MLG0603S1N2ST000 |
| 1.3 | ± 0.1 nH | 4 | 100 | 9.0 | 11.4 | 0.15 | 0.07 | 550 | MLG0603S1N3BT000 |
| 1.3 | ± 0.2 nH | 4 | 100 | 9.0 | 11.4 | 0.15 | 0.07 | 550 | MLG0603S1N3CT000 |
| 1.3 | ± 0.3 nH | 4 | 100 | 9.0 | 11.4 | 0.15 | 0.07 | 550 | MLG0603S1N3ST000 |
| 1.5 | ± 0.1 nH | 4 | 100 | 9.0 | 10.4 | 0.15 | 0.07 | 550 | MLG0603S1N5BT000 |
| 1.5 | ± 0.2 nH | 4 | 100 | 9.0 | 10.4 | 0.15 | 0.07 | 550 | MLG0603S1N5CT000 |
| 1.5 | ± 0.3 nH | 4 | 100 | 9.00 | 10.4 | 0.15 | 0.07 | 550 | MLG0603S1N5ST000 |
| 1.6 | ± 0.1 nH | 4 | 100 | 9.0 | 11.5 | 0.20 | 0.09 | 500 | MLG0603S1N6BT000 |
| 1.6 | ± 0.2 nH | 4 | 100 | 9.0 | 11.5 | 0.20 | 0.09 | 500 | MLG0603S1N6CT000 |
| 1.6 | ± 0.3 nH | 4 | 100 | 9.00 | 11.5 | 0.20 | 0.09 | 500 | MLG0603S1N6ST000 |
| 1.8 | ± 0.1 nH | 4 | 100 | 8.5 | 10.0 | 0.20 | 0.12 | 500 | MLG0603S1N8BT000 |
| 1.8 | ± 0.2 nH | 4 | 100 | 8.5 | 10.0 | 0.20 | 0.12 | 500 | MLG0603S1N8CT000 |
| 1.8 | ± 0.3 nH | 4 | 100 | 8.50 | 10.0 | 0.20 | 0.12 | 500 | MLG0603S1N8ST000 |
| 2.0 | ± 0.1 nH | 4 | 100 | 8.2 | 9.80 | 0.25 | 0.14 | 400 | MLG0603S2N0BT000 |
| 2.0 | ± 0.2 nH | 4 | 100 | 8.2 | 9.80 | 0.25 | 0.14 | 400 | MLG0603S2N0CT000 |
| 2.0 | ± 0.3 nH | 4 | 100 | 8.20 | 9.80 | 0.25 | 0.14 | 400 | MLG0603S2N0ST000 |
| 2.2 | ± 0.1 nH | 4 | 100 | 8.0 | 8.90 | 0.25 | 0.14 | 400 | MLG0603S2N2BT000 |
| 2.2 | ± 0.2 nH | 4 | 100 | 8.0 | 8.90 | 0.25 | 0.14 | 400 | MLG0603S2N2CT000 |
| 2.2 | ± 0.3 nH | 4 | 100 | 8.00 | 8.90 | 0.25 | 0.14 | 400 | MLG0603S2N2ST000 |
| 2.4 | ± 0.1 nH | 4 | 100 | 8.0 | 9.20 | 0.25 | 0.15 | 300 | MLG0603S2N4BT000 |
| 2.4 | ± 0.2 nH | 4 | 100 | 8.0 | 9.20 | 0.25 | 0.15 | 300 | MLG0603S2N4CT000 |
| 2.4 | ± 0.3 nH | 4 | 100 | 8.00 | 9.20 | 0.25 | 0.15 | 300 | MLG0603S2N4ST000 |
| 2.7 | ± 0.1 nH | 4 | 100 | 6.5 | 8.10 | 0.25 | 0.15 | 300 | MLG0603S2N7BT000 |
| 2.7 | ± 0.2 nH | 4 | 100 | 6.5 | 8.10 | 0.25 | 0.15 | 300 | MLG0603S2N7CT000 |
| 2.7 | ± 0.3 nH | 4 | 100 | 6.50 | 8.10 | 0.25 | 0.15 | 300 | MLG0603S2N7ST000 |

*Please contact us for information on inductance tolerance, G ($\pm 2\%$).

Measurement equipment

| Measurement item | Product No. | Manufacturer |
|-------------------------|--------------|-----------------------|
| L, Q | 4291B+16197A | Keysight Technologies |
| Self-resonant frequency | 8720C | Keysight Technologies |
| DC resistance | Type-7561 | Yokogawa |

* Equivalent measurement equipment may be used.

MLG0603S type

CHARACTERISTICS SPECIFICATION TABLE

| L (nH) | Q Tolerance | Q min. | L, Q measuring frequency (MHz) | Self-resonant frequency | | DC resistance | | Rated current (mA)max. | Part No.* |
|-----------|----------------|-----------|--------------------------------------|----------------------------|-----------|------------------|------------------|---------------------------|----------------------------------|
| | | | | (GHz)min. | (GHz)typ. | (Ω)max. | (Ω)typ. | | |
| 3.0 | ± 0.1 nH | 4 | 100 | 6.2 | 7.80 | 0.30 | 0.20 | 300 | MLG0603S3N0BT000 |
| 3.0 | ± 0.2 nH | 4 | 100 | 6.2 | 7.80 | 0.30 | 0.20 | 300 | MLG0603S3N0CT000 |
| 3.0 | ± 0.3 nH | 4 | 100 | 6.20 | 7.80 | 0.30 | 0.20 | 300 | MLG0603S3N0ST000 |
| 3.3 | ± 0.1 nH | 4 | 100 | 5.8 | 7.00 | 0.35 | 0.23 | 300 | MLG0603S3N3BT000 |
| 3.3 | ± 0.2 nH | 4 | 100 | 5.8 | 7.00 | 0.35 | 0.23 | 300 | MLG0603S3N3CT000 |
| 3.3 | ± 0.3 nH | 4 | 100 | 5.80 | 7.00 | 0.35 | 0.23 | 300 | MLG0603S3N3ST000 |
| 3.6 | ± 0.1 nH | 4 | 100 | 5.5 | 6.90 | 0.35 | 0.22 | 300 | MLG0603S3N6BT000 |
| 3.6 | ± 0.2 nH | 4 | 100 | 5.5 | 6.90 | 0.35 | 0.22 | 300 | MLG0603S3N6CT000 |
| 3.6 | ± 0.3 nH | 4 | 100 | 5.50 | 6.90 | 0.35 | 0.22 | 300 | MLG0603S3N6ST000 |
| 3.9 | ± 0.1 nH | 5 | 100 | 5.0 | 6.60 | 0.40 | 0.27 | 300 | MLG0603S3N9BT000 |
| 3.9 | ± 0.2 nH | 5 | 100 | 5.0 | 6.60 | 0.40 | 0.27 | 300 | MLG0603S3N9CT000 |
| 3.9 | ± 0.3 nH | 5 | 100 | 5.00 | 6.60 | 0.40 | 0.27 | 300 | MLG0603S3N9ST000 |
| 4.3 | ± 0.3 nH | 5 | 100 | 5.00 | 6.40 | 0.40 | 0.27 | 300 | MLG0603S4N3ST000 |
| 4.3 | $\pm 3\%$ | 5 | 100 | 5.00 | 6.40 | 0.40 | 0.27 | 300 | MLG0603S4N3HT000 |
| 4.7 | ± 0.3 nH | 5 | 100 | 4.50 | 5.40 | 0.45 | 0.28 | 300 | MLG0603S4N7ST000 |
| 4.7 | $\pm 3\%$ | 5 | 100 | 4.50 | 5.40 | 0.45 | 0.28 | 300 | MLG0603S4N7HT000 |
| 5.1 | ± 0.3 nH | 5 | 100 | 4.50 | 5.50 | 0.45 | 0.23 | 250 | MLG0603S5N1ST000 |
| 5.1 | $\pm 3\%$ | 5 | 100 | 4.50 | 5.50 | 0.45 | 0.23 | 250 | MLG0603S5N1HT000 |
| 5.6 | ± 0.3 nH | 5 | 100 | 4.20 | 5.30 | 0.50 | 0.31 | 250 | MLG0603S5N6ST000 |
| 5.6 | $\pm 3\%$ | 5 | 100 | 4.20 | 5.30 | 0.50 | 0.31 | 250 | MLG0603S5N6HT000 |
| 6.2 | ± 0.3 nH | 5 | 100 | 4.20 | 5.10 | 0.55 | 0.32 | 250 | MLG0603S6N2ST000 |
| 6.2 | $\pm 3\%$ | 5 | 100 | 4.20 | 5.10 | 0.55 | 0.32 | 250 | MLG0603S6N2HT000 |
| 6.8 | $\pm 3\%$ | 5 | 100 | 3.60 | 4.40 | 0.60 | 0.32 | 250 | MLG0603S6N8HT000 |
| 6.8 | $\pm 5\%$ | 5 | 100 | 3.60 | 4.40 | 0.60 | 0.32 | 250 | MLG0603S6N8JT000 |
| 7.5 | $\pm 3\%$ | 5 | 100 | 4.20 | 5.30 | 0.70 | 0.43 | 200 | MLG0603S7N5HT000 |
| 7.5 | $\pm 5\%$ | 5 | 100 | 4.20 | 5.30 | 0.70 | 0.43 | 200 | MLG0603S7N5JT000 |
| 8.2 | $\pm 3\%$ | 5 | 100 | 3.80 | 4.50 | 0.70 | 0.45 | 200 | MLG0603S8N2HT000 |
| 8.2 | $\pm 5\%$ | 5 | 100 | 3.80 | 4.50 | 0.70 | 0.45 | 200 | MLG0603S8N2JT000 |
| 9.1 | $\pm 3\%$ | 5 | 100 | 3.40 | 4.90 | 0.80 | 0.51 | 200 | MLG0603S9N1HT000 |
| 9.1 | $\pm 5\%$ | 5 | 100 | 3.40 | 4.90 | 0.80 | 0.51 | 200 | MLG0603S9N1JT000 |
| 10 | $\pm 3\%$ | 5 | 100 | 3.20 | 4.10 | 0.80 | 0.53 | 200 | MLG0603S10NJT000 |
| 10 | $\pm 5\%$ | 5 | 100 | 3.20 | 4.10 | 0.80 | 0.53 | 200 | MLG0603S10NJT000 |
| 11 | $\pm 3\%$ | 6 | 100 | 3.00 | 3.70 | 0.80 | 0.53 | 200 | MLG0603S11NHT000 |
| 11 | $\pm 5\%$ | 6 | 100 | 3.00 | 3.70 | 0.80 | 0.53 | 200 | MLG0603S11NJT000 |
| 12 | $\pm 3\%$ | 6 | 100 | 2.80 | 3.60 | 0.90 | 0.63 | 180 | MLG0603S12NHT000 |
| 12 | $\pm 5\%$ | 6 | 100 | 2.80 | 3.60 | 0.90 | 0.63 | 180 | MLG0603S12NJT000 |
| 13 | $\pm 3\%$ | 6 | 100 | 2.70 | 3.40 | 0.90 | 0.60 | 180 | MLG0603S13NHT000 |
| 13 | $\pm 5\%$ | 6 | 100 | 2.70 | 3.40 | 0.90 | 0.60 | 180 | MLG0603S13NJT000 |
| 15 | $\pm 3\%$ | 6 | 100 | 2.50 | 3.30 | 1.10 | 0.69 | 180 | MLG0603S15NHT000 |
| 15 | $\pm 5\%$ | 6 | 100 | 2.50 | 3.30 | 1.10 | 0.69 | 180 | MLG0603S15NJT000 |
| 16 | $\pm 3\%$ | 6 | 100 | 2.30 | 3.00 | 1.10 | 0.70 | 180 | MLG0603S16NHT000 |
| 16 | $\pm 5\%$ | 6 | 100 | 2.30 | 3.00 | 1.10 | 0.70 | 180 | MLG0603S16NJT000 |
| 18 | $\pm 3\%$ | 6 | 100 | 2.20 | 2.80 | 1.20 | 0.78 | 150 | MLG0603S18NHT000 |
| 18 | $\pm 5\%$ | 6 | 100 | 2.20 | 2.80 | 1.20 | 0.78 | 150 | MLG0603S18NJT000 |
| 20 | $\pm 3\%$ | 6 | 100 | 2.10 | 2.60 | 1.20 | 0.75 | 150 | MLG0603S20NHT000 |
| 20 | $\pm 5\%$ | 6 | 100 | 2.10 | 2.60 | 1.20 | 0.75 | 150 | MLG0603S20NJT000 |

* Please contact us for information on inductance tolerance, G ($\pm 2\%$).

Measurement equipment

| Measurement item | Product No. | Manufacturer |
|-------------------------|--------------|-----------------------|
| L, Q | 4291B+16197A | Keysight Technologies |
| Self-resonant frequency | 8720C | Keysight Technologies |
| DC resistance | Type-7561 | Yokogawa |

* Equivalent measurement equipment may be used.

MLG0603S type

CHARACTERISTICS SPECIFICATION TABLE

| L (nH) | Q Tolerance | L, Q measuring frequency min. (MHz) | Self-resonant frequency | | DC resistance | | Rated current (mA)max. | Part No.* | |
|-----------|----------------|--|----------------------------|-----------|------------------|------------------|---------------------------|-----------|----------------------------------|
| | | | (GHz)min. | (GHz)typ. | (Ω)max. | (Ω)typ. | | | |
| 22 | $\pm 3\%$ | 6 | 100 | 2.00 | 2.50 | 1.20 | 0.88 | 150 | MLG0603S22NHT000 |
| 22 | $\pm 5\%$ | 6 | 100 | 2.00 | 2.50 | 1.20 | 0.88 | 150 | MLG0603S22NJT000 |
| 24 | $\pm 3\%$ | 6 | 100 | 1.90 | 2.30 | 1.30 | 0.90 | 150 | MLG0603S24NHT000 |
| 24 | $\pm 5\%$ | 6 | 100 | 1.90 | 2.30 | 1.30 | 0.90 | 150 | MLG0603S24NJT000 |
| 27 | $\pm 3\%$ | 6 | 100 | 1.80 | 2.20 | 1.50 | 1.00 | 100 | MLG0603S27NHT000 |
| 27 | $\pm 5\%$ | 6 | 100 | 1.80 | 2.20 | 1.50 | 1.00 | 100 | MLG0603S27NJT000 |
| 30 | $\pm 3\%$ | 6 | 100 | 1.60 | 2.00 | 1.60 | 0.95 | 100 | MLG0603S30NHT000 |
| 30 | $\pm 5\%$ | 6 | 100 | 1.60 | 2.00 | 1.60 | 0.95 | 100 | MLG0603S30NJT000 |
| 33 | $\pm 3\%$ | 6 | 100 | 1.60 | 2.00 | 1.80 | 1.20 | 100 | MLG0603S33NHT000 |
| 33 | $\pm 5\%$ | 6 | 100 | 1.60 | 2.00 | 1.80 | 1.20 | 100 | MLG0603S33NJT000 |
| 36 | $\pm 3\%$ | 6 | 100 | 1.50 | 1.80 | 2.00 | 1.68 | 50 | MLG0603S36NHT000 |
| 36 | $\pm 5\%$ | 6 | 100 | 1.50 | 1.80 | 2.00 | 1.68 | 50 | MLG0603S36NJT000 |
| 39 | $\pm 3\%$ | 6 | 100 | 1.40 | 1.60 | 2.00 | 1.40 | 50 | MLG0603S39NHT000 |
| 39 | $\pm 5\%$ | 6 | 100 | 1.40 | 1.60 | 2.00 | 1.40 | 50 | MLG0603S39NJT000 |
| 43 | $\pm 3\%$ | 6 | 100 | 1.30 | 1.60 | 2.20 | 1.91 | 50 | MLG0603S43NHT000 |
| 43 | $\pm 5\%$ | 6 | 100 | 1.30 | 1.60 | 2.20 | 1.91 | 50 | MLG0603S43NJT000 |
| 47 | $\pm 3\%$ | 6 | 100 | 1.30 | 1.50 | 2.20 | 1.48 | 50 | MLG0603S47NHT000 |
| 47 | $\pm 5\%$ | 6 | 100 | 1.30 | 1.50 | 2.20 | 1.48 | 50 | MLG0603S47NJT000 |
| 51 | $\pm 3\%$ | 5 | 100 | 1.20 | 1.50 | 2.80 | 1.98 | 50 | MLG0603S51NHT000 |
| 51 | $\pm 5\%$ | 5 | 100 | 1.20 | 1.50 | 2.80 | 1.98 | 50 | MLG0603S51NJT000 |
| 56 | $\pm 3\%$ | 5 | 100 | 1.20 | 1.40 | 3.20 | 2.11 | 50 | MLG0603S56NHT000 |
| 56 | $\pm 5\%$ | 5 | 100 | 1.20 | 1.40 | 3.20 | 2.11 | 50 | MLG0603S56NJT000 |
| 62 | $\pm 3\%$ | 5 | 100 | 1.10 | 1.30 | 3.30 | 2.22 | 50 | MLG0603S62NHT000 |
| 62 | $\pm 5\%$ | 5 | 100 | 1.10 | 1.30 | 3.30 | 2.22 | 50 | MLG0603S62NJT000 |
| 68 | $\pm 3\%$ | 5 | 100 | 1.05 | 1.24 | 3.50 | 2.40 | 50 | MLG0603S68NHT000 |
| 68 | $\pm 5\%$ | 5 | 100 | 1.05 | 1.24 | 3.50 | 2.40 | 50 | MLG0603S68NJT000 |
| 75 | $\pm 3\%$ | 5 | 100 | 0.95 | 1.17 | 3.80 | 2.67 | 50 | MLG0603S75NHT000 |
| 75 | $\pm 5\%$ | 5 | 100 | 0.95 | 1.17 | 3.80 | 2.67 | 50 | MLG0603S75NJT000 |
| 82 | $\pm 3\%$ | 5 | 100 | 0.90 | 1.08 | 4.00 | 2.80 | 50 | MLG0603S82NHT000 |
| 82 | $\pm 5\%$ | 5 | 100 | 0.90 | 1.08 | 4.00 | 2.80 | 50 | MLG0603S82NJT000 |
| 91 | $\pm 3\%$ | 5 | 100 | 0.77 | 0.94 | 4.30 | 2.97 | 50 | MLG0603S91NHT000 |
| 91 | $\pm 5\%$ | 5 | 100 | 0.77 | 0.94 | 4.30 | 2.97 | 50 | MLG0603S91NJT000 |
| 100 | $\pm 3\%$ | 5 | 100 | 0.77 | 0.94 | 4.50 | 3.13 | 50 | MLG0603SR10HT000 |
| 100 | $\pm 5\%$ | 5 | 100 | 0.77 | 0.94 | 4.50 | 3.13 | 50 | MLG0603SR10JT000 |
| 110 | $\pm 3\%$ | 5 | 100 | 0.77 | 0.94 | 6.50 | 5.24 | 50 | MLG0603SR11HT000 |
| 110 | $\pm 5\%$ | 5 | 100 | 0.77 | 0.94 | 6.50 | 5.24 | 50 | MLG0603SR11JT000 |
| 120 | $\pm 3\%$ | 5 | 100 | 0.70 | 0.88 | 7.00 | 5.53 | 50 | MLG0603SR12HT000 |
| 120 | $\pm 5\%$ | 5 | 100 | 0.70 | 0.88 | 7.00 | 5.53 | 50 | MLG0603SR12JT000 |
| 130 | $\pm 3\%$ | 5 | 100 | 0.67 | 0.84 | 7.30 | 5.68 | 50 | MLG0603SR13HT000 |
| 130 | $\pm 5\%$ | 5 | 100 | 0.67 | 0.84 | 7.30 | 5.68 | 50 | MLG0603SR13JT000 |
| 150 | $\pm 3\%$ | 5 | 100 | 0.64 | 0.77 | 8.00 | 6.24 | 50 | MLG0603SR15HT000 |
| 150 | $\pm 5\%$ | 5 | 100 | 0.64 | 0.77 | 8.00 | 6.24 | 50 | MLG0603SR15JT000 |
| 160 | $\pm 3\%$ | 5 | 100 | 0.60 | 0.73 | 8.30 | 6.67 | 50 | MLG0603SR16HT000 |
| 160 | $\pm 5\%$ | 5 | 100 | 0.60 | 0.73 | 8.30 | 6.67 | 50 | MLG0603SR16JT000 |
| 180 | $\pm 3\%$ | 5 | 100 | 0.56 | 0.68 | 8.50 | 6.99 | 50 | MLG0603SR18HT000 |
| 180 | $\pm 5\%$ | 5 | 100 | 0.56 | 0.68 | 8.50 | 6.99 | 50 | MLG0603SR18JT000 |

* Please contact us for information on inductance tolerance, G ($\pm 2\%$).

Measurement equipment

| Measurement item | Product No. | Manufacturer |
|-------------------------|--------------|-----------------------|
| L, Q | 4291B+16197A | Keysight Technologies |
| Self-resonant frequency | 8720C | Keysight Technologies |
| DC resistance | Type-7561 | Yokogawa |

* Equivalent measurement equipment may be used.

MLG0603S type

L, Q FREQUENCY CHARACTERISTICS TABLE

| L(nH)typ. | | Q typ. | | | | | Part No.* | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|-----------|--------|--------|--|--|------------------|
| 500MHz | 800MHz | 1.8GHz | 2.0GHz | 2.4GHz | 500MHz | 800MHz | 1.8GHz | 2.0GHz | 2.4GHz | | | |
| 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 14min. | 18min. | 29min. | 32min. | 35min. | | | MLG0603S0N3BT000 |
| 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 14min. | 18min. | 29min. | 32min. | 35min. | | | MLG0603S0N3CT000 |
| 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 14min. | 18min. | 29min. | 32min. | 35min. | | | MLG0603S0N4BT000 |
| 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 14min. | 18min. | 29min. | 32min. | 35min. | | | MLG0603S0N4CT000 |
| 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 14 | 18 | 29 | 32 | 35 | | | MLG0603S0N5BT000 |
| 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 14 | 18 | 29 | 32 | 35 | | | MLG0603S0N5CT000 |
| 0.6 | 0.6 | 0.5 | 0.5 | 0.5 | 16 | 20 | 33 | 34 | 39 | | | MLG0603S0N6BT000 |
| 0.6 | 0.6 | 0.5 | 0.5 | 0.5 | 16 | 20 | 33 | 34 | 39 | | | MLG0603S0N6CT000 |
| 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 16 | 21 | 33 | 35 | 39 | | | MLG0603S0N7BT000 |
| 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 16 | 21 | 33 | 35 | 39 | | | MLG0603S0N7CT000 |
| 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 15 | 20 | 32 | 34 | 38 | | | MLG0603S0N8BT000 |
| 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 15 | 20 | 32 | 34 | 38 | | | MLG0603S0N8CT000 |
| 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 15 | 19 | 30 | 32 | 35 | | | MLG0603S0N9BT000 |
| 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 15 | 19 | 30 | 32 | 35 | | | MLG0603S0N9CT000 |
| 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 14 | 18 | 29 | 30 | 34 | | | MLG0603S1N0BT000 |
| 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 14 | 18 | 29 | 30 | 34 | | | MLG0603S1N0CT000 |
| 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 14 | 18 | 29 | 30 | 34 | | | MLG0603S1N0ST000 |
| 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 14 | 19 | 29 | 31 | 34 | | | MLG0603S1N1BT000 |
| 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 14 | 19 | 29 | 31 | 34 | | | MLG0603S1N1CT000 |
| 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 14 | 19 | 29 | 31 | 34 | | | MLG0603S1N1ST000 |
| 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 14 | 18 | 29 | 30 | 34 | | | MLG0603S1N2BT000 |
| 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 14 | 18 | 29 | 30 | 34 | | | MLG0603S1N2CT000 |
| 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 14 | 18 | 29 | 30 | 34 | | | MLG0603S1N2ST000 |
| 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 14 | 18 | 29 | 30 | 33 | | | MLG0603S1N3BT000 |
| 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 14 | 18 | 29 | 30 | 33 | | | MLG0603S1N3CT000 |
| 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 14 | 18 | 29 | 30 | 33 | | | MLG0603S1N3ST000 |
| 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 15 | 19 | 29 | 30 | 34 | | | MLG0603S1N5BT000 |
| 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 15 | 19 | 29 | 30 | 34 | | | MLG0603S1N5CT000 |
| 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 15 | 19 | 29 | 30 | 34 | | | MLG0603S1N5ST000 |
| 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 14 | 18 | 29 | 30 | 33 | | | MLG0603S1N6BT000 |
| 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 14 | 18 | 29 | 30 | 33 | | | MLG0603S1N6CT000 |
| 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 14 | 18 | 29 | 30 | 33 | | | MLG0603S1N6ST000 |
| 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 15 | 19 | 29 | 30 | 33 | | | MLG0603S1N8BT000 |
| 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 15 | 19 | 29 | 30 | 33 | | | MLG0603S1N8CT000 |
| 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 15 | 19 | 29 | 30 | 33 | | | MLG0603S1N8ST000 |
| 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 14 | 18 | 28 | 29 | 32 | | | MLG0603S2N0BT000 |
| 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 14 | 18 | 28 | 29 | 32 | | | MLG0603S2N0CT000 |
| 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 14 | 18 | 28 | 29 | 32 | | | MLG0603S2N0ST000 |
| 2.1 | 2.0 | 2.1 | 2.1 | 2.1 | 14 | 18 | 27 | 28 | 31 | | | MLG0603S2N2BT000 |
| 2.1 | 2.0 | 2.1 | 2.1 | 2.1 | 14 | 18 | 27 | 28 | 31 | | | MLG0603S2N2CT000 |
| 2.1 | 2.0 | 2.1 | 2.1 | 2.1 | 14 | 18 | 27 | 28 | 31 | | | MLG0603S2N2ST000 |
| 2.2 | 2.2 | 2.2 | 2.3 | 2.3 | 14 | 18 | 27 | 29 | 32 | | | MLG0603S2N4BT000 |
| 2.2 | 2.2 | 2.2 | 2.3 | 2.3 | 14 | 18 | 27 | 29 | 32 | | | MLG0603S2N4CT000 |
| 2.2 | 2.2 | 2.2 | 2.3 | 2.3 | 14 | 18 | 27 | 29 | 32 | | | MLG0603S2N4ST000 |
| 2.5 | 2.5 | 2.6 | 2.6 | 2.7 | 15 | 19 | 28 | 29 | 31 | | | MLG0603S2N7BT000 |
| 2.5 | 2.5 | 2.6 | 2.6 | 2.7 | 15 | 19 | 28 | 29 | 31 | | | MLG0603S2N7CT000 |
| 2.5 | 2.5 | 2.6 | 2.6 | 2.7 | 15 | 19 | 28 | 29 | 31 | | | MLG0603S2N7ST000 |

* Please contact us for information on inductance tolerance, G ($\pm 2\%$).

Measurement equipment

| Product No. | Manufacturer |
|--------------|-----------------------|
| 4291B+16197A | Keysight Technologies |

* Equivalent measurement equipment may be used.

MLG0603S type

L, Q FREQUENCY CHARACTERISTICS TABLE

| L(nH)typ. | | | | | Q typ. | | | | | Part No.* |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------------------------|
| 500MHz | 800MHz | 1.8GHz | 2.0GHz | 2.4GHz | 500MHz | 800MHz | 1.8GHz | 2.0GHz | 2.4GHz | |
| 2.8 | 2.8 | 2.9 | 2.9 | 3.0 | 15 | 19 | 29 | 31 | 33 | MLG0603S3N0BT000 |
| 2.8 | 2.8 | 2.9 | 2.9 | 3.0 | 15 | 19 | 29 | 31 | 33 | MLG0603S3N0CT000 |
| 2.8 | 2.8 | 2.9 | 2.9 | 3.0 | 15 | 19 | 29 | 31 | 33 | MLG0603S3N0ST000 |
| 3.1 | 3.1 | 3.2 | 3.3 | 3.4 | 15 | 19 | 28 | 29 | 31 | MLG0603S3N3BT000 |
| 3.1 | 3.1 | 3.2 | 3.3 | 3.4 | 15 | 19 | 28 | 29 | 31 | MLG0603S3N3CT000 |
| 3.1 | 3.1 | 3.2 | 3.3 | 3.4 | 15 | 19 | 28 | 29 | 31 | MLG0603S3N3ST000 |
| 3.4 | 3.4 | 3.5 | 3.6 | 3.7 | 14 | 18 | 26 | 27 | 29 | MLG0603S3N6BT000 |
| 3.4 | 3.4 | 3.5 | 3.6 | 3.7 | 14 | 18 | 26 | 27 | 29 | MLG0603S3N6CT000 |
| 3.4 | 3.4 | 3.5 | 3.6 | 3.7 | 14 | 18 | 26 | 27 | 29 | MLG0603S3N6ST000 |
| 3.7 | 3.7 | 3.8 | 3.9 | 4.1 | 15 | 19 | 29 | 29 | 32 | MLG0603S3N9BT000 |
| 3.7 | 3.7 | 3.8 | 3.9 | 4.1 | 15 | 19 | 29 | 29 | 32 | MLG0603S3N9CT000 |
| 3.7 | 3.7 | 3.8 | 3.9 | 4.1 | 15 | 19 | 29 | 29 | 32 | MLG0603S3N9ST000 |
| 4.1 | 4.1 | 4.3 | 4.4 | 4.6 | 14 | 18 | 27 | 27 | 29 | MLG0603S4N3HT000 |
| 4.1 | 4.1 | 4.3 | 4.4 | 4.6 | 14 | 18 | 27 | 27 | 29 | MLG0603S4N3ST000 |
| 4.4 | 4.4 | 4.8 | 4.9 | 5.2 | 15 | 20 | 28 | 29 | 30 | MLG0603S4N7HT000 |
| 4.4 | 4.4 | 4.8 | 4.9 | 5.2 | 15 | 20 | 28 | 29 | 30 | MLG0603S4N7ST000 |
| 4.8 | 4.8 | 5.1 | 5.3 | 5.6 | 14 | 18 | 25 | 26 | 27 | MLG0603S5N1HT000 |
| 4.8 | 4.8 | 5.1 | 5.3 | 5.6 | 14 | 18 | 25 | 26 | 27 | MLG0603S5N1ST000 |
| 5.3 | 5.3 | 5.7 | 5.9 | 6.4 | 16 | 20 | 27 | 28 | 29 | MLG0603S5N6HT000 |
| 5.3 | 5.3 | 5.7 | 5.9 | 6.4 | 16 | 20 | 27 | 28 | 29 | MLG0603S5N6ST000 |
| 5.9 | 5.9 | 6.5 | 6.8 | 7.5 | 15 | 18 | 25 | 25 | 26 | MLG0603S6N2HT000 |
| 5.9 | 5.9 | 6.5 | 6.8 | 7.5 | 15 | 18 | 25 | 25 | 26 | MLG0603S6N2ST000 |
| 6.4 | 6.5 | 7.4 | 7.8 | 8.7 | 15 | 19 | 26 | 26 | 25 | MLG0603S6N8HT000 |
| 6.4 | 6.5 | 7.4 | 7.8 | 8.7 | 15 | 19 | 26 | 26 | 25 | MLG0603S6N8JT000 |
| 7.1 | 7.1 | 7.8 | 8.0 | 8.7 | 14 | 18 | 25 | 26 | 26 | MLG0603S7N5HT000 |
| 7.1 | 7.1 | 7.8 | 8.0 | 8.7 | 14 | 18 | 25 | 26 | 26 | MLG0603S7N5JT000 |
| 7.8 | 7.8 | 8.8 | 9.3 | 10.4 | 15 | 18 | 24 | 24 | 24 | MLG0603S8N2HT000 |
| 7.8 | 7.8 | 8.8 | 9.3 | 10.4 | 15 | 18 | 24 | 24 | 24 | MLG0603S8N2JT000 |
| 8.6 | 8.6 | 9.8 | 10.3 | 11.5 | 14 | 17 | 22 | 22 | 22 | MLG0603S9N1HT000 |
| 8.6 | 8.6 | 9.8 | 10.3 | 11.5 | 14 | 17 | 22 | 22 | 22 | MLG0603S9N1JT000 |
| 10 | 10 | 12 | 12 | 15 | 15 | 18 | 23 | 22 | 21 | MLG0603S10NHT000 |
| 10 | 10 | 12 | 12 | 15 | 15 | 18 | 23 | 22 | 21 | MLG0603S10NJT000 |
| 10 | 11 | 13 | 14 | 16 | 15 | 18 | 22 | 22 | 20 | MLG0603S11NHT000 |
| 10 | 11 | 13 | 14 | 16 | 15 | 18 | 22 | 22 | 20 | MLG0603S11NJT000 |
| 11 | 12 | 14 | 15 | 19 | 16 | 19 | 24 | 23 | 20 | MLG0603S12NHT000 |
| 11 | 12 | 14 | 15 | 19 | 16 | 19 | 24 | 23 | 20 | MLG0603S12NJT000 |
| 12 | 13 | 16 | 17 | 22 | 14 | 16 | 19 | 18 | 15 | MLG0603S13NHT000 |
| 12 | 13 | 16 | 17 | 22 | 14 | 16 | 19 | 18 | 15 | MLG0603S13NJT000 |
| 14 | 15 | 20 | 23 | 33 | 15 | 19 | 20 | 18 | 14 | MLG0603S15NHT000 |
| 14 | 15 | 20 | 23 | 33 | 15 | 19 | 20 | 18 | 14 | MLG0603S15NJT000 |
| 15 | 16 | 22 | 25 | 37 | 14 | 16 | 16 | 15 | 11 | MLG0603S16NHT000 |
| 15 | 16 | 22 | 25 | 37 | 14 | 16 | 16 | 15 | 11 | MLG0603S16NJT000 |
| 17 | 18 | 28 | 35 | | 14 | 17 | 15 | 13 | | MLG0603S18NHT000 |
| 17 | 18 | 28 | 35 | | 14 | 17 | 15 | 13 | | MLG0603S18NJT000 |
| 19 | 20 | 32 | | | 13 | 16 | 14 | | | MLG0603S20NHT000 |
| 19 | 20 | 32 | | | 13 | 16 | 14 | | | MLG0603S20NJT000 |
| 21 | 23 | 40 | | | 15 | 17 | 13 | | | MLG0603S22NHT000 |

* Please contact us for information on inductance tolerance, G ($\pm 2\%$).

Measurement equipment

| Product No. | Manufacturer |
|--------------|-----------------------|
| 4291B+16197A | Keysight Technologies |

* Equivalent measurement equipment may be used.

MLG0603S type

L, Q FREQUENCY CHARACTERISTICS TABLE

| L(nH)typ. | | | | | Q typ. | | | | | Part No.* |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------------------------|
| 500MHz | 800MHz | 1.8GHz | 2.0GHz | 2.4GHz | 500MHz | 800MHz | 1.8GHz | 2.0GHz | 2.4GHz | |
| 21 | 23 | 40 | | | 15 | 17 | 13 | | | MLG0603S22NJT000 |
| 23 | 24 | 45 | | | 13 | 15 | 13 | | | MLG0603S24NHT000 |
| 23 | 24 | 45 | | | 13 | 15 | 13 | | | MLG0603S24NJT000 |
| 27 | 29 | | | | 15 | 17 | | | | MLG0603S27NHT000 |
| 27 | 29 | | | | 15 | 17 | | | | MLG0603S27NJT000 |
| 29 | 32 | | | | 13 | 15 | | | | MLG0603S30NHT000 |
| 29 | 32 | | | | 13 | 15 | | | | MLG0603S30NJT000 |
| 33 | 36 | | | | 14 | 16 | | | | MLG0603S33NHT000 |
| 33 | 36 | | | | 14 | 16 | | | | MLG0603S33NJT000 |
| 36 | 40 | | | | 14 | 15 | | | | MLG0603S36NHT000 |
| 36 | 40 | | | | 14 | 15 | | | | MLG0603S36NJT000 |
| 40 | 47 | | | | 13 | 14 | | | | MLG0603S39NHT000 |
| 40 | 47 | | | | 13 | 14 | | | | MLG0603S39NJT000 |
| 44 | 53 | | | | 14 | 14 | | | | MLG0603S43NHT000 |
| 44 | 53 | | | | 14 | 14 | | | | MLG0603S43NJT000 |
| 49 | 60 | | | | 13 | 13 | | | | MLG0603S47NHT000 |
| 49 | 60 | | | | 13 | 13 | | | | MLG0603S47NJT000 |
| 52 | 64 | | | | 11 | 11 | | | | MLG0603S51NHT000 |
| 52 | 64 | | | | 11 | 11 | | | | MLG0603S51NJT000 |
| 59 | 77 | | | | 12 | 11 | | | | MLG0603S56NHT000 |
| 59 | 77 | | | | 12 | 11 | | | | MLG0603S56NJT000 |
| 66 | 88 | | | | 11 | 10 | | | | MLG0603S62NHT000 |
| 66 | 88 | | | | 11 | 10 | | | | MLG0603S62NJT000 |
| 74 | 104 | | | | 13 | 11 | | | | MLG0603S68NHT000 |
| 74 | 104 | | | | 13 | 11 | | | | MLG0603S68NJT000 |
| 82 | 119 | | | | 10 | 8 | | | | MLG0603S75NHT000 |
| 82 | 119 | | | | 10 | 8 | | | | MLG0603S75NJT000 |
| 96 | 161 | | | | 12 | 8 | | | | MLG0603S82NHT000 |
| 96 | 161 | | | | 12 | 8 | | | | MLG0603S82NJT000 |
| 109 | | | | | 9 | | | | | MLG0603S91NHT000 |
| 109 | | | | | 9 | | | | | MLG0603S91NJT000 |
| 129 | | | | | 11 | | | | | MLG0603SR10HT000 |
| 129 | | | | | 11 | | | | | MLG0603SR10JT000 |
| 134 | | | | | 10 | | | | | MLG0603SR11HT000 |
| 134 | | | | | 10 | | | | | MLG0603SR11JT000 |
| 156 | | | | | 9 | | | | | MLG0603SR12HT000 |
| 156 | | | | | 9 | | | | | MLG0603SR12JT000 |
| 172 | | | | | 8 | | | | | MLG0603SR13HT000 |
| 172 | | | | | 8 | | | | | MLG0603SR13JT000 |
| 223 | | | | | 7 | | | | | MLG0603SR15HT000 |
| 223 | | | | | 7 | | | | | MLG0603SR15JT000 |
| 238 | | | | | 7 | | | | | MLG0603SR16HT000 |
| 238 | | | | | 7 | | | | | MLG0603SR16JT000 |
| 318 | | | | | 6 | | | | | MLG0603SR18HT000 |
| 318 | | | | | 6 | | | | | MLG0603SR18JT000 |

* Please contact us for information on inductance tolerance, G ($\pm 2\%$).

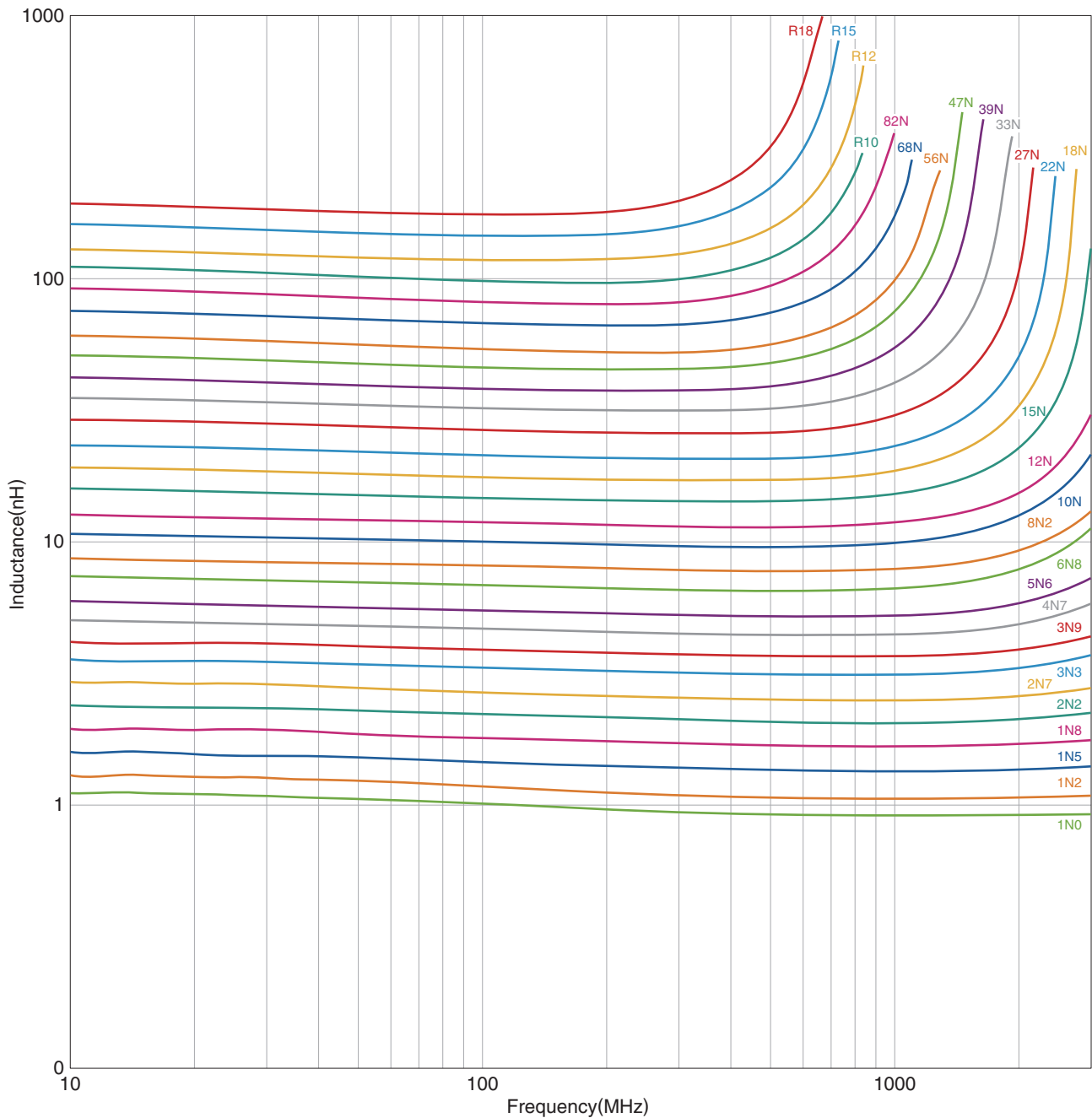
Measurement equipment

| Product No. | Manufacturer |
|--------------|-----------------------|
| 4291B+16197A | Keysight Technologies |

* Equivalent measurement equipment may be used.

MLG0603S type

L FREQUENCY CHARACTERISTICS (EXAMPLE)



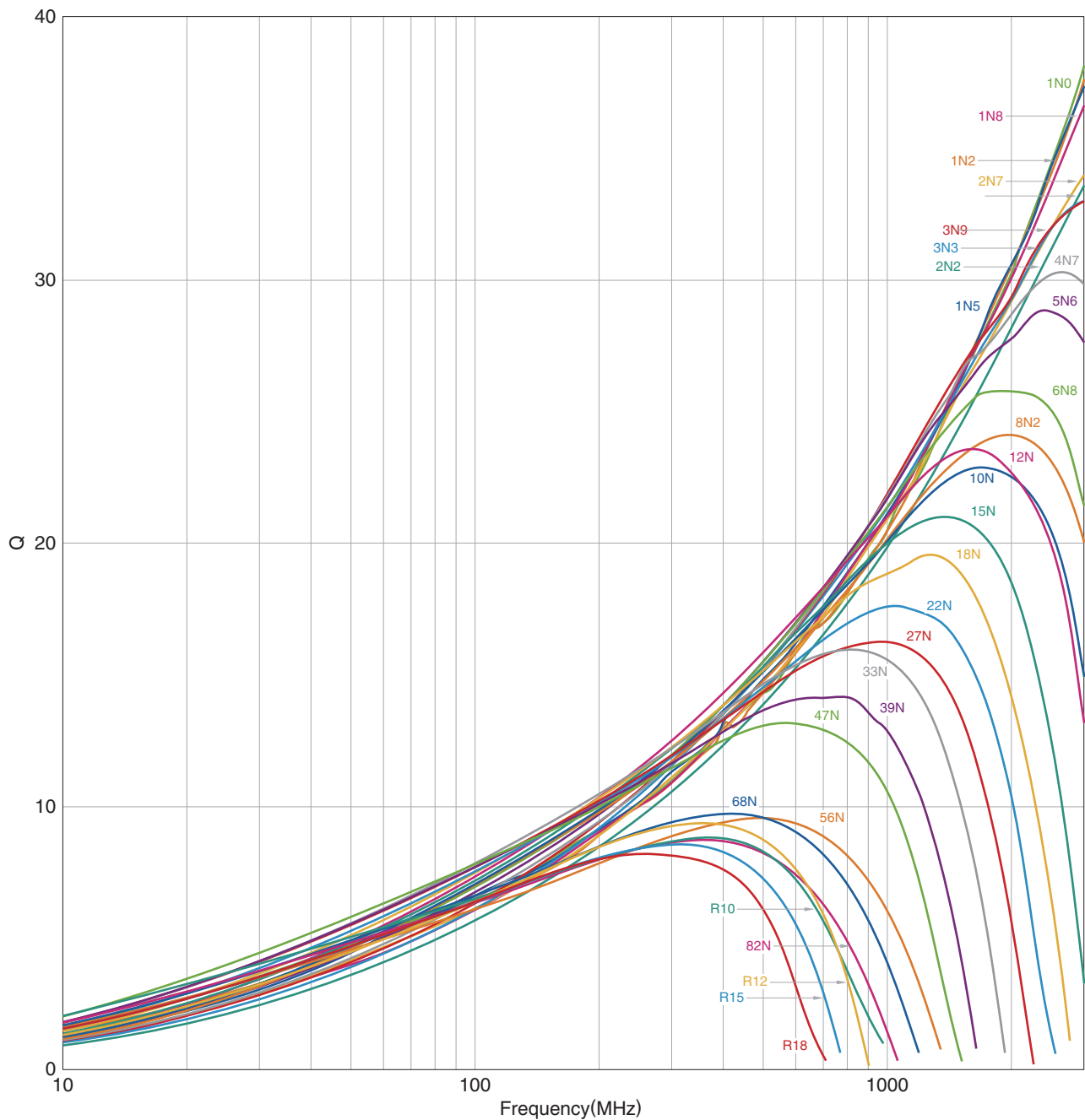
Measurement equipment

| Product No. | Manufacturer |
|----------------|-----------------------|
| E4991A +16197A | Keysight Technologies |

* Equivalent measurement equipment may be used.

MLG0603S type

Q FREQUENCY CHARACTERISTICS (EXAMPLE)



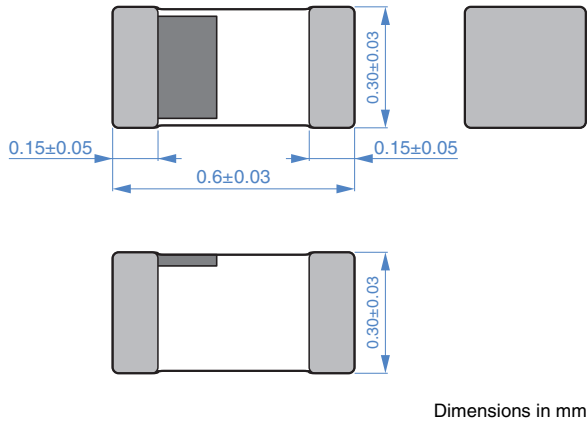
Measurement equipment

| Product No. | Manufacturer |
|----------------|-----------------------|
| E4991A +16197A | Keysight Technologies |

* Equivalent measurement equipment may be used.

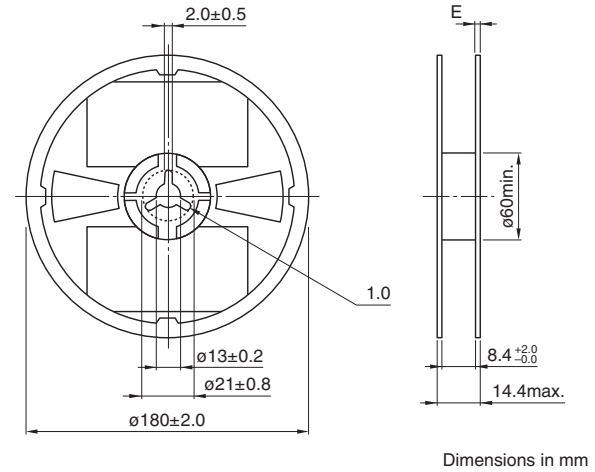
MLG0603S type

SHAPE & DIMENSIONS

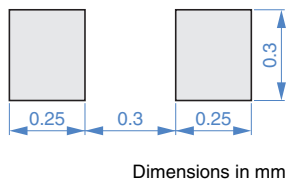


PACKAGING STYLE

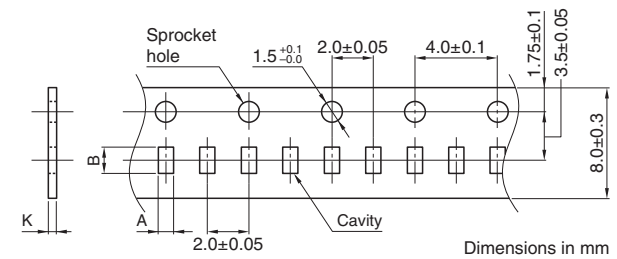
REEL DIMENSIONS



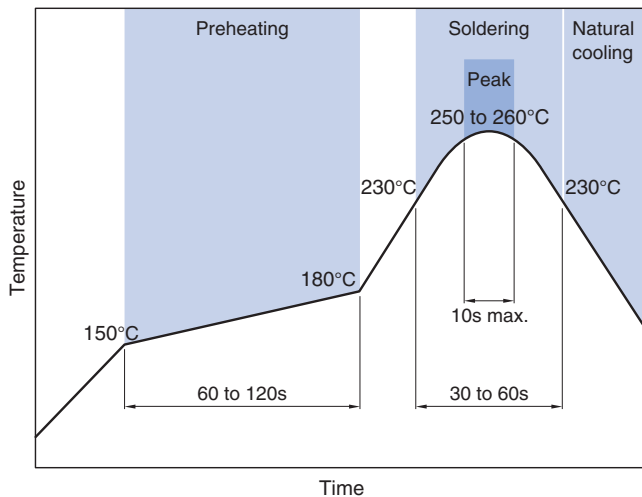
RECOMMENDED LAND PATTERN



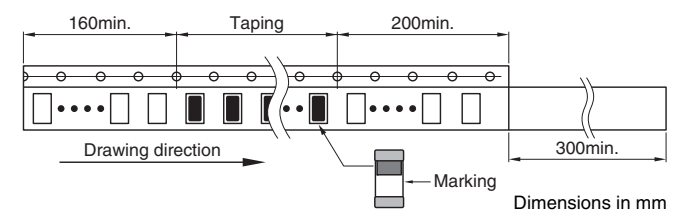
TAPE DIMENSIONS



RECOMMENDED REFLOW PROFILE



| Type | A | B | K |
|----------|-----------|-----------|----------|
| MLG0603S | 0.38±0.05 | 0.68±0.05 | 0.5 max. |



PACKAGE QUANTITY

| | |
|------------------|----------------|
| Package quantity | 15000 pcs/reel |
|------------------|----------------|

TEMPERATURE RANGE, INDIVIDUAL WEIGHT

| Operating temperature range | Storage temperature range* | Individual weight |
|-----------------------------|----------------------------|-------------------|
| -55 to +125 °C | -55 to +125 °C | 0.2 mg |

* The storage temperature range is for after the assembly.

REMINDERS FOR USING THESE PRODUCTS

Before using these products, be sure to request the delivery specifications.

SAFETY REMINDERS

Please pay sufficient attention to the warnings for safe designing when using this products.

REMINDERS

- The storage period is less than 12 months. Be sure to follow the storage conditions (temperature: 5 to 40°C, humidity: 10 to 75% RH or less).
If the storage period elapses, the soldering of the terminal electrodes may deteriorate.
- Do not use or store in locations where there are conditions such as gas corrosion (salt, acid, alkali, etc.).
- Before soldering, be sure to preheat components.
The preheating temperature should be set so that the temperature difference between the solder temperature and chip temperature does not exceed 150°C.
- Soldering corrections after mounting should be within the range of the conditions determined in the specifications.
If overheated, a short circuit, performance deterioration, or lifespan shortening may occur.
- When embedding a printed circuit board where a chip is mounted to a set, be sure that residual stress is not given to the chip due to the overall distortion of the printed circuit board and partial distortion such as at screw tightening portions.
- Self heating (temperature increase) occurs when the power is turned ON, so the tolerance should be sufficient for the set thermal design.
- Carefully lay out the coil for the circuit board design of the non-magnetic shield type.
A malfunction may occur due to magnetic interference.
- Use a wrist band to discharge static electricity in your body through the grounding wire.
- Do not expose the products to magnets or magnetic fields.
- Do not use for a purpose outside of the contents regulated in the delivery specifications.
- The products listed on this catalog are intended for use in general electronic equipment (AV equipment, telecommunications equipment, home appliances, amusement equipment, computer equipment, personal equipment, office equipment, measurement equipment, industrial robots) under a normal operation and use condition.
The products are not designed or warranted to meet the requirements of the applications listed below, whose performance and/or quality require a more stringent level of safety or reliability, or whose failure, malfunction or trouble could cause serious damage to society, person or property.
If you intend to use the products in the applications listed below or if you have special requirements exceeding the range or conditions set forth in the each catalog, please contact us.

- (1) Aerospace/aviation equipment
- (2) Transportation equipment (cars, electric trains, ships, etc.)
- (3) Medical equipment
- (4) Power-generation control equipment
- (5) Atomic energy-related equipment
- (6) Seabed equipment
- (7) Transportation control equipment

- (8) Public information-processing equipment
- (9) Military equipment
- (10) Electric heating apparatus, burning equipment
- (11) Disaster prevention/crime prevention equipment
- (12) Safety equipment
- (13) Other applications that are not considered general-purpose applications

When designing your equipment even for general-purpose applications, you are kindly requested to take into consideration securing protection circuit/device or providing backup circuits in your equipment.

OUR CERTIFICATE

DiGi provide top-quality products and perfect service for customer worldwide through standardization, technological innovation and continuous improvement. DiGi through third-party certification, we stricly control the quality of products and services. Welcome your RFQ to

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