



Inductors for High Frequency Circuits

Multilayer Ceramic

MLG-P_{series} (For automobiles)

MLG0603P

0603 [0201 inch]*

* Dimensions Code JIS[EIA]

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 these 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.

Inductors for High Frequency Circuits

Multilayer Ceramic

Product compatible with RoHS directive
Halogen-free
Compatible with lead-free solders
AEC-Q200

Overview of the MLG-P Series

FEATURES

- High Q type inductor for high-frequency circuits.
- The 0402 Series has 0.2 to 33nH, and the 0603 Series has 0.6 to 120nH.
- 0.1n step inductance lineup.
- Compared with existing products, the size was greatly reduced, making it optimal for fine-pitch circuits.
- Optimal configuration that greatly improves the Q to 800MHz or higher.
- Advanced monolithic structure is formed using a multilayering and sintering process with ceramic and conductive materials for High-frequency.

APPLICATION

Automotive equipment, smart phones, tablet terminals, high frequency modules (PAs, VCOs, FEMs , etc.), Bluetooth, W-LAN, UWB, tuners and other high frequency circuits for the mobile communication industry

PART NUMBER CONSTRUCTION

MLG	0603		P	1N1		B		T		
Series name	LxWxH Dimensions (mm)		Characteristics	Inductance (μH)		Inductance tolerance		Packaging style		Internal code
	0603	0.6x0.3x0.3		1N1	1.1	B	±0.1nH	T	Taping	
				11N	11	C	±0.2nH			
						S	±0.3nH			
						H	±3%			
						J	±5%			

OPERATING TEMPERATURE RANGE, PACKAGE QUANTITY, PRODUCT WEIGHT

Type	Temperature range		Package quantity	Individual weight
	Operating temperature	Storage temperature*		
	(°C)	(°C)	(pieces/reel)	(mg)
MLG0603P	-55 to +125	-55 to +125	15000	0.2

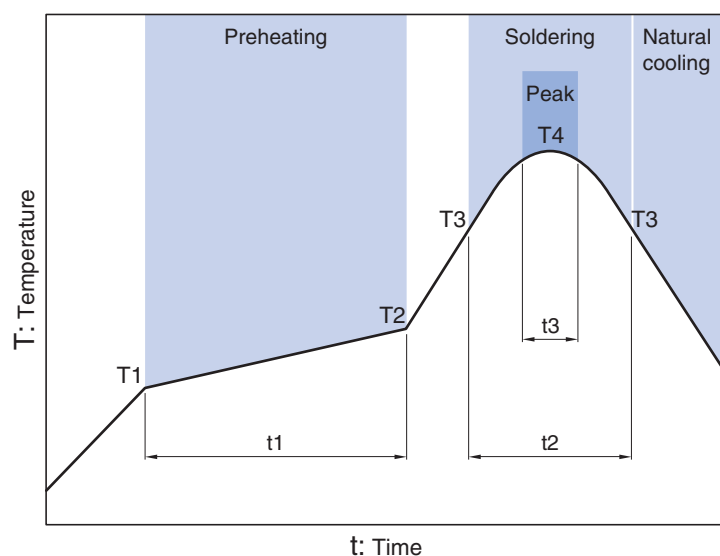
* The Storage temperature range is for after the circuit board is mounted.

- RoHS Directive Compliant Product: See the following for more details related to RoHS Directive compliant products. <http://www.tdk.co.jp/rohs/>
- Halogen-free: Indicates that Cl content is less than 900ppm, Br content is less than 900ppm, and that the total Cl and Br content is less than 1500ppm.

• All specifications are subject to change without notice.

Overview of the MLG-P Series

RECOMMENDED REFLOW PROFILE



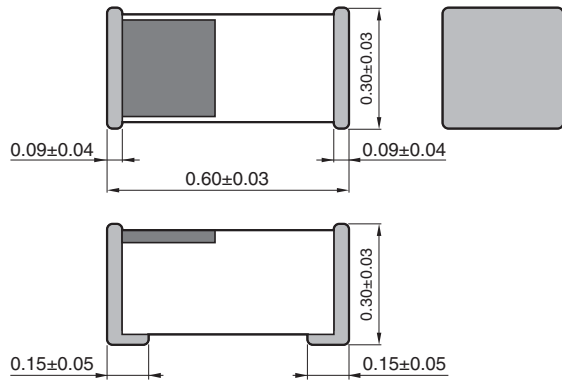
Preheating			Soldering		Peak	
Temp.		Time	Temp.	Time	Temp.	Time
T1	T2	t1	T3	t2	T4	t3
150°C	180°C	60 to 120s	230°C	30 to 60s	250 to 260°C	10s max.

MLG-P_{series}

MLG0603P Type

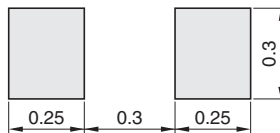


SHAPE & DIMENSIONS



Dimensions in mm

RECOMMENDED LAND PATTERN



Dimensions in mm

MLG-P_{series} **MLG0603P Type**

■ ELECTRICAL CHARACTERISTICS

□ CHARACTERISTICS SPECIFICATION TABLE

L (nH)	Tolerance	Q min.	L, Q measuring frequency (MHz)	Self-resonant frequency (GHz)		DC resistance (Ω)		Rated current (mA) max.	Part No.*
				min.	typ.	max.	typ.		
0.6	±0.1, ±0.2nH	—	500	10.0	20.0	0.06	0.01	1000	MLG0603P0N6△T□□□
0.7	±0.1, ±0.2nH	—	500	10.0	20.0	0.06	0.01	1000	MLG0603P0N7△T□□□
0.8	±0.1, ±0.2nH	—	500	10.0	20.0	0.06	0.02	1000	MLG0603P0N8△T□□□
0.9	±0.1, ±0.2nH	—	500	10.0	20.0	0.06	0.02	1000	MLG0603P0N9△T□□□
1.0	±0.1, ±0.2, 0.3nH	14	500	10.0	20.0	0.07	0.02	1000	MLG0603P1N0△T□□□
1.1	±0.1, ±0.2, 0.3nH	14	500	10.0	19.9	0.07	0.03	1000	MLG0603P1N1△T□□□
1.2	±0.1, ±0.2, 0.3nH	14	500	10.0	16.0	0.08	0.04	800	MLG0603P1N2△T□□□
1.3	±0.1, ±0.2, 0.3nH	14	500	10.0	13.9	0.08	0.03	800	MLG0603P1N3△T□□□
1.4	±0.1, ±0.2, 0.3nH	14	500	10.0	11.7	0.09	0.04	800	MLG0603P1N4△T□□□
1.5	±0.1, ±0.2, 0.3nH	14	500	10.0	14.9	0.10	0.03	800	MLG0603P1N5△T□□□
1.6	±0.1, ±0.2, 0.3nH	14	500	10.0	13.4	0.10	0.03	700	MLG0603P1N6△T□□□
1.7	±0.1, ±0.2, 0.3nH	14	500	10.0	12.8	0.10	0.02	700	MLG0603P1N7△T□□□
1.8	±0.1, ±0.2, 0.3nH	14	500	9.0	10.7	0.10	0.03	700	MLG0603P1N8△T□□□
1.9	±0.1, ±0.2, 0.3nH	14	500	9.0	10.9	0.10	0.04	600	MLG0603P1N9△T□□□
2.0	±0.1, ±0.2, 0.3nH	14	500	8.5	10.1	0.10	0.03	600	MLG0603P2N0△T□□□
2.1	±0.1, ±0.2, 0.3nH	14	500	8.0	9.8	0.10	0.05	600	MLG0603P2N1△T□□□
2.2	±0.1, ±0.2, 0.3nH	14	500	7.5	9.0	0.10	0.07	600	MLG0603P2N2△T□□□
2.3	±0.1, ±0.2, 0.3nH	14	500	7.5	8.4	0.20	0.07	600	MLG0603P2N3△T□□□
2.4	±0.1, ±0.2, 0.3nH	14	500	7.5	10.9	0.20	0.12	500	MLG0603P2N4△T□□□
2.5	±0.1, ±0.2, 0.3nH	14	500	7.5	9.9	0.20	0.09	500	MLG0603P2N5△T□□□
2.6	±0.1, ±0.2, 0.3nH	14	500	7.5	10.1	0.20	0.14	500	MLG0603P2N6△T□□□
2.7	±0.1, ±0.2, 0.3nH	14	500	7.5	10.0	0.20	0.14	500	MLG0603P2N7△T□□□
2.8	±0.1, ±0.2, 0.3nH	14	500	7.5	9.9	0.20	0.10	500	MLG0603P2N8△T□□□
2.9	±0.1, ±0.2, 0.3nH	14	500	7.5	9.2	0.20	0.10	500	MLG0603P2N9△T□□□
3.0	±0.1, ±0.2, 0.3nH	14	500	7.5	9.1	0.20	0.14	450	MLG0603P3N0△T□□□
3.1	±0.1, ±0.2, 0.3nH	14	500	7.5	8.8	0.20	0.10	450	MLG0603P3N1△T□□□
3.2	±0.1, ±0.2, 0.3nH	14	500	7.5	8.4	0.20	0.14	450	MLG0603P3N2△T□□□
3.3	±0.1, ±0.2, 0.3nH	14	500	7.5	8.4	0.20	0.13	450	MLG0603P3N3△T□□□
3.4	±0.1, ±0.2, 0.3nH	14	500	7.0	8.1	0.20	0.13	450	MLG0603P3N4△T□□□
3.5	±0.1, ±0.2, 0.3nH	14	500	6.5	8.0	0.20	0.12	450	MLG0603P3N5△T□□□
3.6	±0.1, ±0.2, 0.3nH	14	500	6.5	7.7	0.20	0.10	400	MLG0603P3N6△T□□□
3.7	±0.1, ±0.2, 0.3nH	14	500	6.5	7.4	0.20	0.14	400	MLG0603P3N7△T□□□
3.8	±0.1, ±0.2, 0.3nH	14	500	5.8	7.0	0.30	0.24	400	MLG0603P3N8△T□□□
3.9	±0.1, ±0.2, 0.3nH	14	500	5.8	7.1	0.30	0.22	400	MLG0603P3N9△T□□□
4.0	±0.1, ±0.2, 0.3nH	14	500	5.8	6.7	0.40	0.21	350	MLG0603P4N0△T□□□
4.1	±0.1, ±0.2, 0.3nH	14	500	5.8	6.7	0.40	0.29	350	MLG0603P4N1△T□□□
4.2	±0.1, ±0.2, 0.3nH	14	500	5.8	6.6	0.40	0.24	350	MLG0603P4N2△T□□□
4.3	±3%, ±5%, ±0.3nH	14	500	5.8	6.7	0.40	0.24	350	MLG0603P4N3△T□□□
4.7	±3%, ±5%, ±0.3nH	14	500	5.5	6.9	0.40	0.16	350	MLG0603P4N7△T□□□
5.1	±3%, ±5%, ±0.3nH	14	500	5.5	6.6	0.40	0.30	350	MLG0603P5N1△T□□□
5.6	±3%, ±5%, ±0.3nH	14	500	4.0	5.3	0.40	0.32	350	MLG0603P5N6△T□□□
6.2	±3%, ±5%, ±0.3nH	14	500	4.0	6.3	0.70	0.59	300	MLG0603P6N2△T□□□
6.8	±3%, ±5%	14	500	4.0	6.1	0.75	0.62	300	MLG0603P6N8△T□□□
7.5	±3%, ±5%	14	500	4.0	5.4	0.80	0.70	300	MLG0603P7N5△T□□□
8.2	±3%, ±5%	14	500	4.0	5.2	0.85	0.71	250	MLG0603P8N2△T□□□
9.1	±3%, ±5%	14	500	4.0	5.0	0.90	0.76	250	MLG0603P9N1△T□□□

* The "△" of the Part Number contains the inductance tolerance code, B(±0.1nH), C(±0.2nH), S(±0.3nH), H(±3%) or J(±5%).

Please contact us for information on inductance tolerance, G (±2%).

* The "□□□" of the Part Number contains the internal code.

○ Short bar residual inductance = 0.43nH

○ Measurement equipment

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

* Equivalent measurement equipment may be used.

• All specifications are subject to change without notice.

MLG-P_{series} **MLG0603P Type**

■ ELECTRICAL CHARACTERISTICS

□ CHARACTERISTICS SPECIFICATION TABLE

L (nH)	tolerance	Q min.	L, Q measuring frequency (MHz)	Self-resonant frequency (GHz)		DC resistance (Ω)		Rated current (mA) max.	Part No.*
				min.	typ.	max.	typ.		
10	$\pm 3\%, \pm 5\%$	14	500	4.0	4.7	0.95	0.85	250	MLG0603P10N $\triangle$ T□□□
11	$\pm 3\%, \pm 5\%$	14	500	3.5	4.5	1.00	0.64	250	MLG0603P11N $\triangle$ T□□□
12	$\pm 3\%, \pm 5\%$	14	500	3.5	4.3	1.10	0.82	250	MLG0603P12N $\triangle$ T□□□
13	$\pm 3\%, \pm 5\%$	14	500	3.2	4.2	1.10	0.87	250	MLG0603P13N $\triangle$ T□□□
15	$\pm 3\%, \pm 5\%$	14	500	3.2	3.7	1.20	0.94	250	MLG0603P15N $\triangle$ T□□□
16	$\pm 3\%, \pm 5\%$	14	500	3.0	3.6	1.20	1.00	200	MLG0603P16N $\triangle$ T□□□
18	$\pm 3\%, \pm 5\%$	14	500	3.0	3.5	1.40	1.04	200	MLG0603P18N $\triangle$ T□□□
20	$\pm 3\%, \pm 5\%$	14	500	2.2	3.3	1.90	1.33	150	MLG0603P20N $\triangle$ T□□□
22	$\pm 3\%, \pm 5\%$	14	500	2.2	2.9	1.90	1.31	150	MLG0603P22N $\triangle$ T□□□
24	$\pm 3\%, \pm 5\%$	14	500	2.2	2.9	2.10	1.17	140	MLG0603P24N $\triangle$ T□□□
27	$\pm 3\%, \pm 5\%$	14	500	2.2	2.7	2.10	1.45	140	MLG0603P27N $\triangle$ T□□□
30	$\pm 3\%, \pm 5\%$	10	300	1.8	2.3	2.20	1.37	130	MLG0603P30N $\triangle$ T□□□
33	$\pm 3\%, \pm 5\%$	10	300	1.8	2.4	2.20	1.55	130	MLG0603P33N $\triangle$ T□□□
36	$\pm 3\%, \pm 5\%$	10	300	1.8	2.2	2.40	1.49	120	MLG0603P36N $\triangle$ T□□□
39	$\pm 3\%, \pm 5\%$	10	300	1.8	2.2	2.40	1.72	120	MLG0603P39N $\triangle$ T□□□
43	$\pm 3\%, \pm 5\%$	10	300	1.6	2.0	2.90	1.61	110	MLG0603P43N $\triangle$ T□□□
47	$\pm 3\%, \pm 5\%$	10	300	1.6	2.0	2.90	2.18	110	MLG0603P47N $\triangle$ T□□□
51	$\pm 3\%, \pm 5\%$	10	300	1.4	1.9	3.50	1.87	100	MLG0603P51N $\triangle$ T□□□
56	$\pm 3\%, \pm 5\%$	10	300	1.4	1.8	3.50	2.35	100	MLG0603P56N $\triangle$ T□□□
62	$\pm 3\%, \pm 5\%$	10	300	1.2	1.6	3.50	2.12	100	MLG0603P62N $\triangle$ T□□□
68	$\pm 3\%, \pm 5\%$	9	300	1.2	1.6	3.50	2.69	100	MLG0603P68N $\triangle$ T□□□
75	$\pm 3\%, \pm 5\%$	9	300	1.0	1.5	4.00	2.59	80	MLG0603P75N $\triangle$ T□□□
82	$\pm 3\%, \pm 5\%$	9	300	1.0	1.5	4.00	2.71	80	MLG0603P82N $\triangle$ T□□□
91	$\pm 3\%, \pm 5\%$	9	300	0.9	1.3	4.50	2.92	80	MLG0603P91N $\triangle$ T□□□
100	$\pm 3\%, \pm 5\%$	9	300	0.9	1.3	4.50	3.20	80	MLG0603PR10 $\triangle$ T□□□
110	$\pm 3\%, \pm 5\%$	9	300	0.8	1.1	5.00	3.50	80	MLG0603PR11 $\triangle$ T□□□
120	$\pm 3\%, \pm 5\%$	9	300	0.8	1.0	5.00	3.79	80	MLG0603PR12 $\triangle$ T□□□

* The " $\triangle$ " of the Part Number contains the inductance tolerance code, B($\pm 0.1\text{nH}$), C($\pm 0.2\text{nH}$), S($\pm 0.3\text{nH}$), H($\pm 3\%$) or J($\pm 5\%$).

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

* The "□□□" of the Part Number contains the internal code.

○ Short bar residual inductance = 0.43nH

○ Measurement equipment

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

* Equivalent measurement equipment may be used.

MLG-P_{series} **MLG0603P Type**

■ ELECTRICAL CHARACTERISTICS

□ 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	
0.6	0.6	0.6	0.6	0.6	16min.	22min.	35min.	37min.	41min.	MLG0603P0N6△T□□□
0.7	0.7	0.7	0.7	0.7	16min.	22min.	35min.	37min.	41min.	MLG0603P0N7△T□□□
0.8	0.8	0.8	0.8	0.4	16	22	35	37	41	MLG0603P0N8△T□□□
0.9	0.9	0.9	0.9	0.9	17	22	35	37	41	MLG0603P0N9△T□□□
1.0	1.0	1.0	1.0	1.0	16	21	33	36	40	MLG0603P1N0△T□□□
1.1	1.1	1.1	1.1	1.1	17	23	36	38	43	MLG0603P1N1△T□□□
1.2	1.2	1.2	1.2	1.2	18	24	38	40	45	MLG0603P1N2△T□□□
1.3	1.3	1.3	1.3	1.3	17	22	34	36	40	MLG0603P1N3△T□□□
1.4	1.4	1.4	1.4	1.4	18	23	36	39	43	MLG0603P1N4△T□□□
1.5	1.5	1.5	1.5	1.5	17	22	33	35	39	MLG0603P1N5△T□□□
1.6	1.6	1.6	1.6	1.6	17	22	33	35	38	MLG0603P1N6△T□□□
1.7	1.7	1.7	1.7	1.7	17	22	33	35	39	MLG0603P1N7△T□□□
1.8	1.8	1.8	1.8	1.8	17	22	34	35	39	MLG0603P1N8△T□□□
1.9	1.9	1.9	1.9	1.9	18	24	36	38	42	MLG0603P1N9△T□□□
2.0	2.0	2.0	2.0	2.0	19	23	35	37	41	MLG0603P2N0△T□□□
2.1	2.1	2.1	2.1	2.1	18	23	34	36	39	MLG0603P2N1△T□□□
2.2	2.2	2.2	2.2	2.3	18	23	35	36	40	MLG0603P2N2△T□□□
2.3	2.3	2.3	2.4	2.4	18	22	33	35	38	MLG0603P2N3△T□□□
2.4	2.4	2.4	2.4	2.4	16	21	31	33	36	MLG0603P2N4△T□□□
2.5	2.5	2.5	2.5	2.5	17	22	33	34	38	MLG0603P2N5△T□□□
2.6	2.6	2.6	2.6	2.6	17	22	33	35	38	MLG0603P2N6△T□□□
2.7	2.7	2.7	2.7	2.7	17	21	33	35	38	MLG0603P2N7△T□□□
2.8	2.8	2.8	2.8	2.9	17	22	34	36	40	MLG0603P2N8△T□□□
2.9	2.9	2.9	2.9	3.0	17	22	34	35	39	MLG0603P2N9△T□□□
3.0	3.0	3.0	3.1	3.1	17	21	32	34	37	MLG0603P3N0△T□□□
3.1	3.1	3.1	3.2	3.2	17	22	33	34	37	MLG0603P3N1△T□□□
3.2	3.2	3.2	3.3	3.3	17	22	34	35	38	MLG0603P3N2△T□□□
3.3	3.3	3.4	3.4	3.4	18	22	33	35	38	MLG0603P3N3△T□□□
3.4	3.4	3.5	3.5	3.6	18	23	34	35	38	MLG0603P3N4△T□□□
3.5	3.5	3.6	3.6	3.7	18	23	34	35	38	MLG0603P3N5△T□□□
3.6	3.6	3.7	3.7	3.8	18	22	33	34	37	MLG0603P3N6△T□□□
3.7	3.7	3.8	3.9	4.0	18	23	34	35	37	MLG0603P3N7△T□□□
3.8	3.8	3.9	4.0	4.1	17	22	32	33	36	MLG0603P3N8△T□□□
3.9	3.9	4.0	4.1	4.2	17	22	32	34	36	MLG0603P3N9△T□□□
4.0	4.0	4.1	4.2	4.4	18	22	32	33	36	MLG0603P4N0△T□□□
4.1	4.1	4.3	4.3	4.5	18	22	33	34	36	MLG0603P4N1△T□□□
4.2	4.2	4.4	4.5	4.6	18	22	32	33	35	MLG0603P4N2△T□□□
4.3	4.3	4.5	4.5	4.7	17	21	32	33	35	MLG0603P4N3△T□□□
4.7	4.7	4.9	5.0	5.1	16	21	31	32	34	MLG0603P4N7△T□□□
5.1	5.1	5.3	5.4	5.7	16	21	31	32	34	MLG0603P5N1△T□□□
5.6	5.6	6.1	6.2	6.6	18	22	31	32	32	MLG0603P5N6△T□□□
6.2	6.2	6.5	6.7	7.0	16	21	30	31	33	MLG0603P6N2△T□□□
6.8	6.8	7.3	7.5	8.0	16	21	29	30	31	MLG0603P6N8△T□□□
7.5	7.5	8.1	8.3	8.8	16	21	30	30	32	MLG0603P7N5△T□□□
8.2	8.2	9.0	9.3	10.0	17	21	30	30	31	MLG0603P8N2△T□□□
9.1	9.1	10.0	10.3	11.1	17	21	30	31	32	MLG0603P9N1△T□□□

* The "△" of the Part Number contains the inductance tolerance code, B(±0.1nH), C(±0.2nH), S(±0.3nH), H(±3%) or J(±5%).

Please contact us for information on inductance tolerance, G (±2%).

* The "□□□" of the Part Number contains the internal code.

○ Measurement equipment

Product No.	Manufacturer
4291B+16197A	Agilent Technologies

* Equivalent measurement equipment may be used.

• All specifications are subject to change without notice.

MLG-P_{series} **MLG0603P Type**

■ ELECTRICAL CHARACTERISTICS

□ 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	
10	10	11	12	13	16	21	28	28	28	MLG0603P10N△T□□□
11	11	13	13	15	18	23	30	30	30	MLG0603P11N△T□□□
12	12	14	15	17	18	22	28	28	27	MLG0603P12N△T□□□
13	13	15	16	19	18	22	28	28	26	MLG0603P13N△T□□□
15	15	18	20	24	18	22	27	26	24	MLG0603P15N△T□□□
16	16	20	22	27	18	22	26	25	22	MLG0603P16N△T□□□
18	18	23	26	33	18	22	25	24	20	MLG0603P18N△T□□□
20	21	27	31	42	18	22	23	22	17	MLG0603P20N△T□□□
22	23	34	40	68	18	21	21	18	11	MLG0603P22N△T□□□
24	25	36	43	72	19	22	21	18	11	MLG0603P24N△T□□□
27	28	45	57		18	21	18	15		MLG0603P27N△T□□□
30	32	59			18	21	15			MLG0603P30N△T□□□
33	36	68			15	17	11			MLG0603P33N△T□□□
37	39				16	17				MLG0603P36N△T□□□
40	43				15	17				MLG0603P39N△T□□□
44	48				15	16				MLG0603P43N△T□□□
48	53				15	16				MLG0603P47N△T□□□
53	59				15	16				MLG0603P51N△T□□□
58	66				15	15				MLG0603P56N△T□□□
65	76				15	15				MLG0603P62N△T□□□
71	82				15	15				MLG0603P68N△T□□□
79	97				14	13				MLG0603P75N△T□□□
87	109				14	13				MLG0603P82N△T□□□
99	132				13	12				MLG0603P91N△T□□□
110	152				14	12				MLG0603PR10△T□□□
126	211				13	9				MLG0603PR11△T□□□
151					12					MLG0603PR12△T□□□

* The "△" of the Part Number contains the inductance tolerance code, B(±0.1nH), C(±0.2nH), S(±0.3nH), H(±3%) or J(±5%).

Please contact us for information on inductance tolerance, G (±2%).

* The "□□□" of the Part Number contains the internal code.

○ Measurement equipment

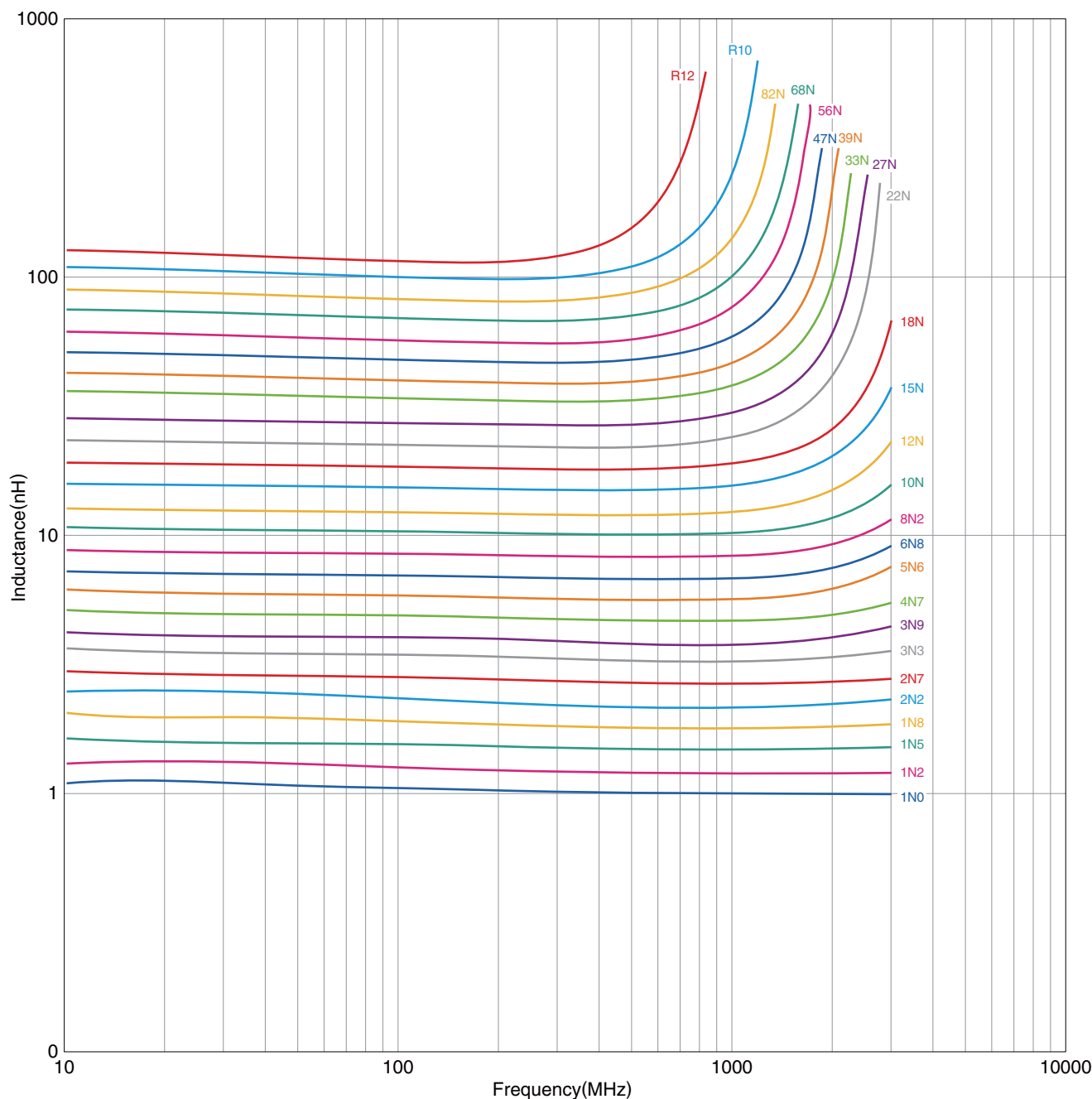
Product No.	Manufacturer
4291B+16197A	Agilent Technologies

* Equivalent measurement equipment may be used.

MLG-P_{series} **MLG0603P Type**

■ ELECTRICAL CHARACTERISTICS

□ L FREQUENCY CHARACTERISTICS GRAPH (EXAMPLE)



○ Measurement equipment

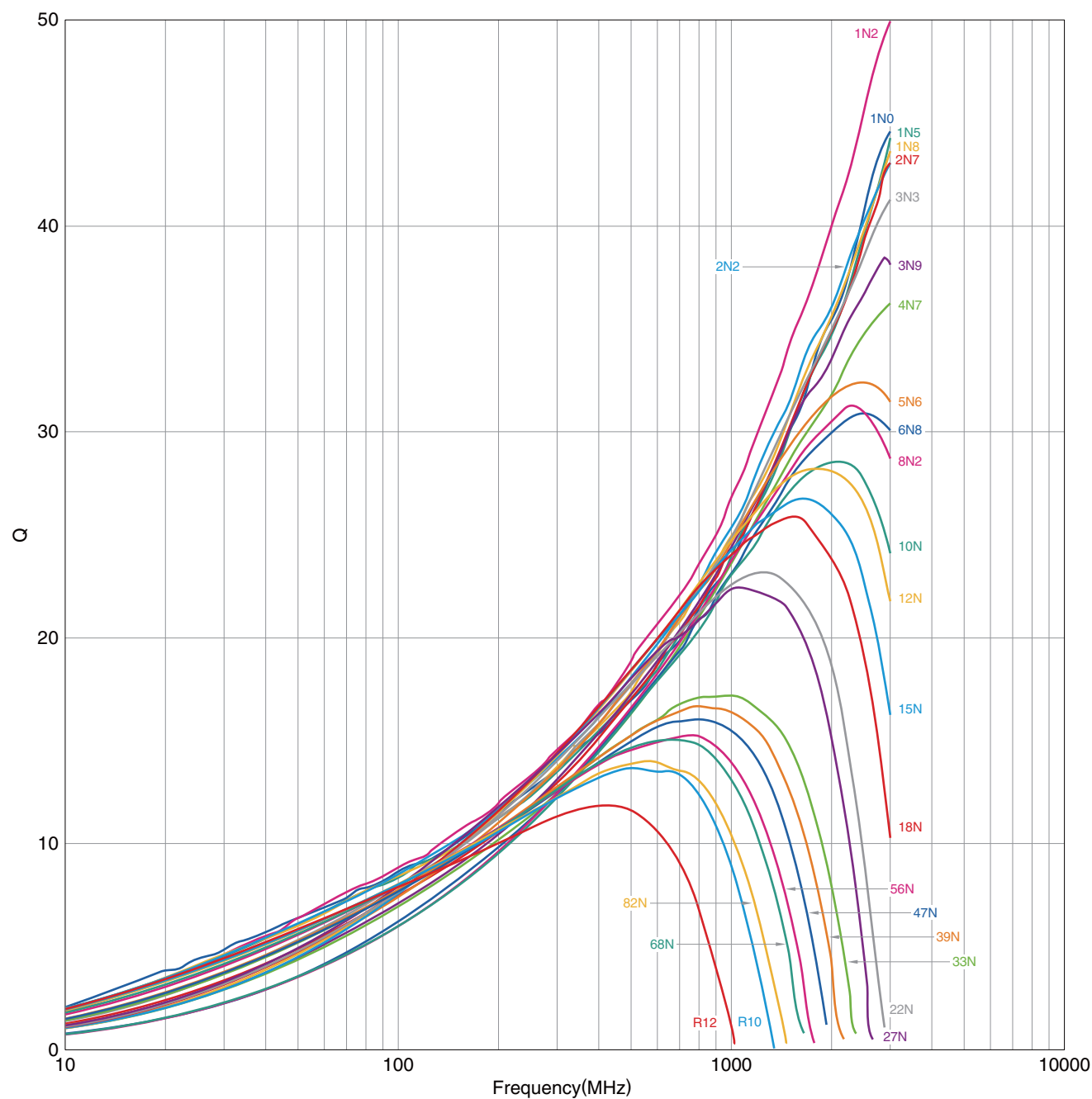
Product No.	Manufacturer
E4991A+16197A	Agilent Technologies

* Equivalent measurement equipment may be used.

MLG-P_{series} **MLG0603P Type**

■ ELECTRICAL CHARACTERISTICS

□ Q FREQUENCY CHARACTERISTICS GRAPH (EXAMPLE)



○ Measurement equipment

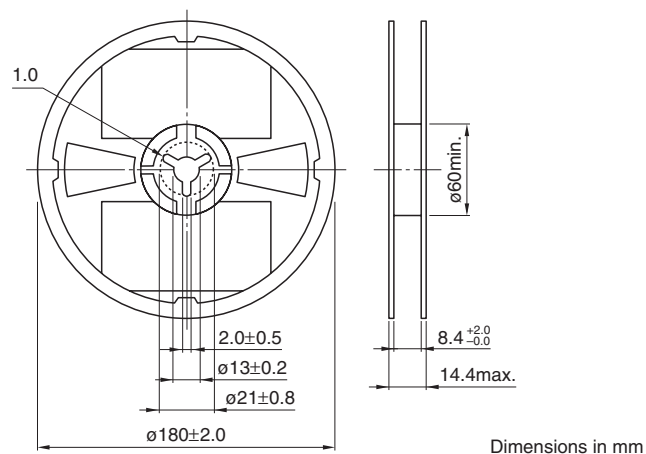
Product No.	Manufacturer
E4991A+16197A	Agilent Technologies

* Equivalent measurement equipment may be used.

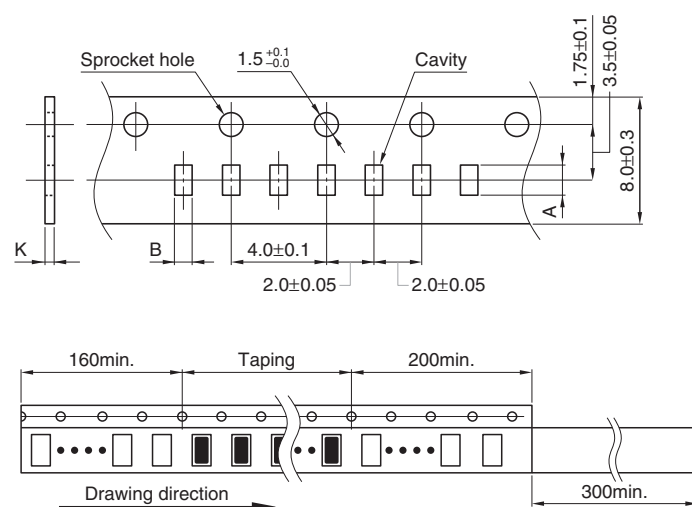
MLG-P_{series}

Packaging Style

REEL DIMENSIONS



TAPE DIMENSIONS



Type	A	B	K
MLG0603P	0.68±0.05	0.38±0.05	0.5 max.

• All specifications are subject to change without notice.