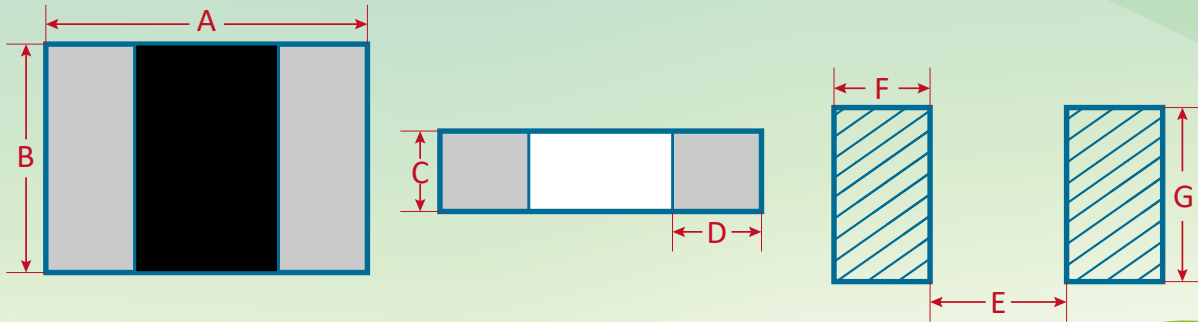


ML Series

SMD Ceramic Chip Inductor

Shape and Dimensions(mm):



RoHS

Item	A	B	C	D	E	F	G
ML01	0.60±0.05	0.30±0.05	0.23±0.05	0.15±0.05	0.30	0.25	0.30±0.2

MARKING 會因生產設備不同, 而有所差異

ML01

Part No.	Inductance (nH)	Q Min.	Test Freq. (MHz)	DCR(Ω) Max.	SRF(GHz) Typ.	IDC(mA) Max.	Tolerance (±nH or ±%)
ML01□T0N1	0.1	8	500	0.20	9	400	B
ML01□T0N2	0.2	8	500	0.20	9	400	B、C
ML01□T0N3	0.3	8	500	0.20	9	400	B、C
ML01□T0N4	0.4	8	500	0.25	9	350	B、C
ML01□T0N5	0.5	8	500	0.25	9	350	B、C
ML01□T0N6	0.6	8	500	0.25	9	350	B、C
ML01□T0N7	0.7	8	500	0.30	9	300	B、C
ML01□T0N8	0.8	8	500	0.30	9	300	B、C
ML01□T0N9	0.9	8	500	0.30	9	300	B、C
ML01□T1N0	1.0	8	500	0.30	9	300	B、C
ML01□T1N1	1.1	8	500	0.35	9	300	B、C
ML01□T1N2	1.2	8	500	0.35	9	300	B、C
ML01□T1N3	1.3	8	500	0.45	9	250	B、C
ML01□T1N4	1.4	8	500	0.45	9	250	B、C
ML01□T1N5	1.5	8	500	0.45	9	250	B、C
ML01□T1N6	1.6	8	500	0.55	9	200	B、C
ML01□T1N7	1.7	8	500	0.55	9	200	B、C
ML01□T1N8	1.8	8	500	0.55	9	200	B、C
ML01□T1N9	1.9	8	500	0.55	9	200	B、C
ML01□T2N0	2.0	8	500	0.70	8	200	B、C
ML01□T2N1	2.1	8	500	0.70	8	200	B、C
ML01□T2N2	2.2	8	500	0.70	8	200	B、C
ML01□T2N3	2.3	8	500	0.80	8	150	B、C
ML01□T2N4	2.4	8	500	0.80	8	150	B、C
ML01□T2N5	2.5	8	500	0.80	8	150	B、C

Part No.	Inductance (nH)	Q Min.	Test Freq. (MHz)	DCR(Ω) Max.	SRF(GHz) Typ.	IDC(mA) Max.	Tolerance (±nH or ±%)
ML01□T2N6	2.6	8	500	0.80	8	150	B、C
ML01□T2N7	2.7	8	500	0.80	8	150	B、C
ML01□T2N8	2.8	8	500	1.00	6	150	B、C
ML01□T2N9	2.9	8	500	1.00	6	150	B、C
ML01□T3N0	3.0	8	500	1.00	6	150	B、C
ML01□T3N1	3.1	8	500	1.00	6	150	B、C
ML01□T3N2	3.2	8	500	1.00	6	150	B、C
ML01□T3N3	3.3	8	500	1.00	6	150	B、C
ML01□T3N4	3.4	8	500	1.20	6	150	B、C
ML01□T3N5	3.5	8	500	1.20	6	150	B、C
ML01□T3N6	3.6	8	500	1.20	6	150	B、C
ML01□T3N7	3.7	8	500	1.20	6	150	B、C
ML01□T3N8	3.8	8	500	1.20	6	150	B、C
ML01□T3N9	3.9	8	500	1.20	6	150	B、C
ML01□T4N0	4.0	8	500	1.20	6	150	B、C
ML01□T4N4	4.4	8	500	1.30	6	140	B、C
ML01□T4N7	4.7	8	500	1.40	6	130	B、C
ML01□T4N9	4.9	8	500	1.60	6	130	B、C
ML01□T5N6	5.6	8	500	1.80	4	130	G、H
ML01□T6N1	6.1	8	500	2.00	4	120	G、H
ML01□T6N8	6.8	8	500	2.30	4	110	G、H
ML01□T7N4	7.4	8	500	2.80	4	110	G、H
ML01□T8N2	8.2	8	500	3.00	3	110	G、H
ML01□T9N1	9.1	8	500	3.25	3	100	G、H
ML01□T9N2	9.2	8	500	3.25	3	100	G、H
ML01□T10N	10	8	500	3.50	2	80	G、H

Ordering information

ML - 01 - B - T - 1N0

(1) (2) (3) (4) (5)

- (1) Type : Surface Mountable Type
- (2) Size : 01(0201) is size
- (3) Tolerance : B= ±0.1nH, C= ±0.2nH, G=±2%, H=±3%
- (4) Packaging style : Taping Reel
- (5) Inductance : 1N0 for 1.0nH, 10N for 10nH, R10 for 100nH...

Characteristics

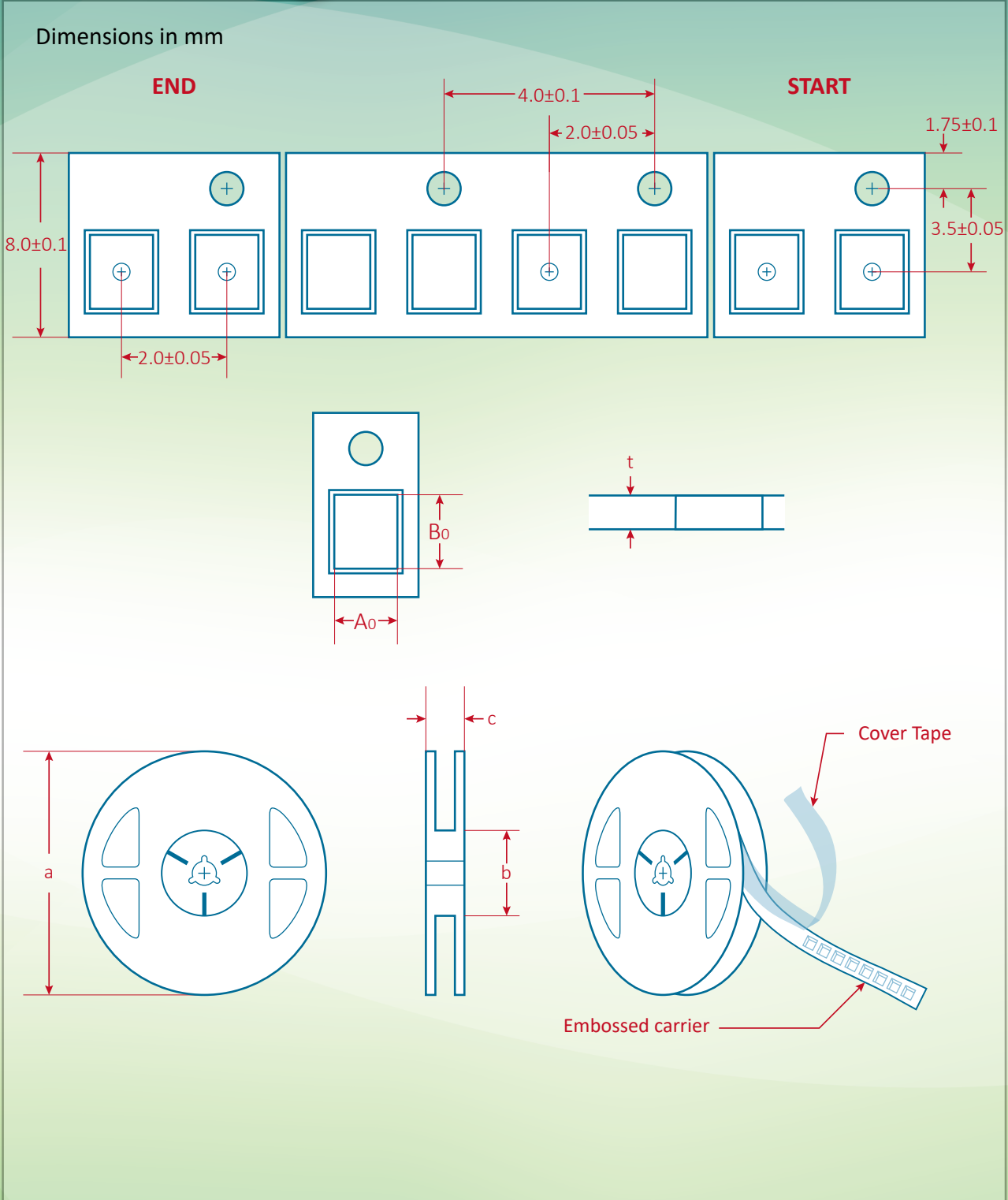
- Operating temperature range from -40°C to 85°C (Including self-temperature rise)

Test equipment

-HP4287A + Agilent 16196C

ML01

Packing

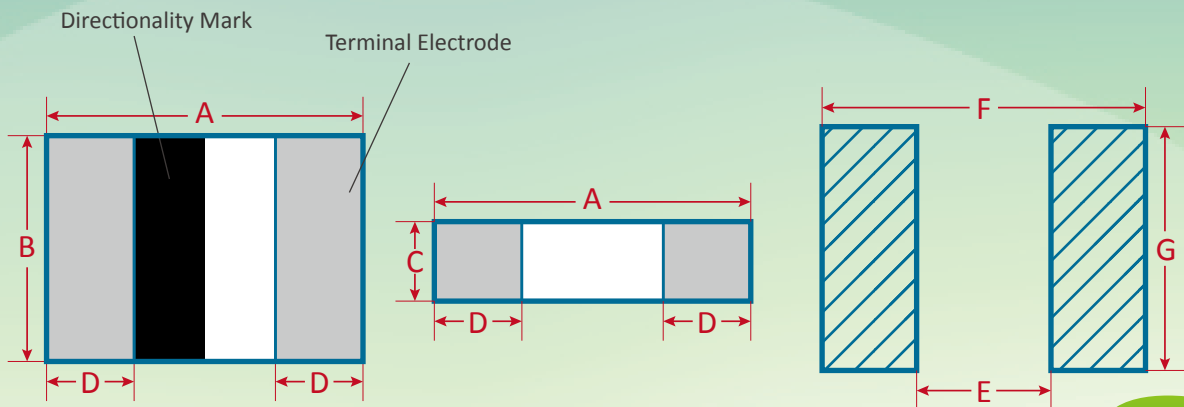


Item	A_0	B_0	t	a	b	c
ML01	0.40 ± 0.05	0.70 ± 0.05	0.42 ± 0.02	178 ± 1.0	60 ± 1.0	11.5 ± 1.0
Reel						
Q'ty(Pcs)						
10,000						

ML Series

SMD Ceramic Chip Inductor

Shape and Dimensions(mm):



Item	A	B	C	D	E	F	G
ML01	0.6±0.03	0.3±0.03	0.3±0.03	0.15±0.05	0.3 Typ.	1.05 Typ.	0.3 Typ.

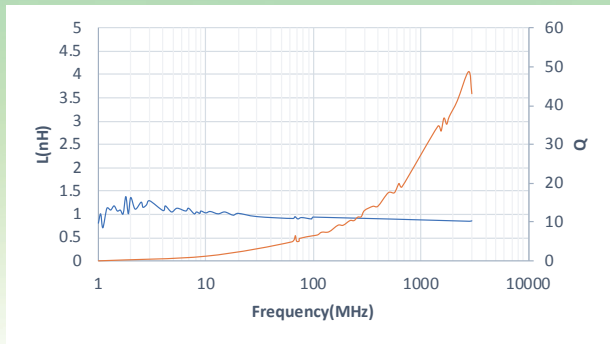
MARKING 會因生產設備不同, 而有所差異

ML01

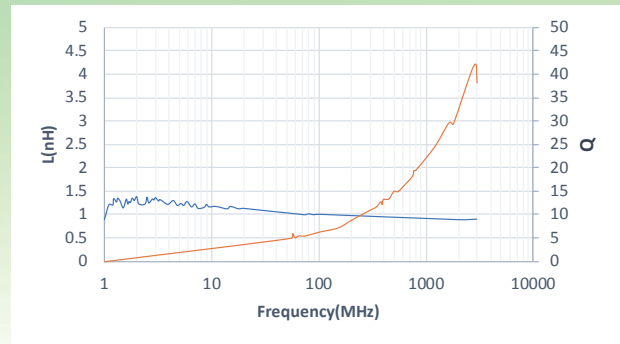
Part No.	Inductance (nH)	Q Min.	Test Freq. (MHz)	DCR(mΩ) Max.	SRF(MHz) Min.	Irms(A) Max.	Tolerance (±%)
ML01ST1N0	1.0	4.0	100	110	>10000	0.47	0.3nH
ML01ST1N2	1.2	4.0	100	120	>10000	0.45	0.3nH
ML01ST1N5	1.5	4.0	100	130	>10000	0.43	0.3nH
ML01ST1N8	1.8	4.0	100	160	>10000	0.39	0.3nH
ML01ST2N0	2.0	4.0	100	170	>10000	0.38	0.3nH
ML01ST2N2	2.2	4.0	100	190	8800	0.36	0.3nH
ML01ST2N4	2.4	4.0	100	200	8300	0.35	0.3nH
ML01ST2N7	2.7	4.0	100	210	7700	0.34	0.3nH
ML01ST3N0	3.0	4.0	100	220	7200	0.33	0.3nH
ML01ST3N3	3.3	4.0	100	230	6700	0.32	0.3nH
ML01ST3N6	3.6	4.0	100	250	6400	0.31	0.3nH
ML01ST3N9	3.9	4.0	100	270	6000	0.3	0.3nH
ML01ST4N3	4.3	4.0	100	300	5700	0.28	0.3nH
ML01ST4N7	4.7	4.0	100	300	5300	0.28	0.3nH
ML01ST5N1	5.1	4.0	100	330	5000	0.27	0.3nH
ML01ST5N6	5.6	4.0	100	360	4600	0.26	0.3nH
ML01ST6N2	6.2	4.0	100	380	4200	0.25	0.3nH
ML01JT6N8	6.8	4.0	100	390	3900	0.25	5
ML01JT7N5	7.5	4.0	100	410	3600	0.24	5
ML01JT8N2	8.2	4.0	100	450	3400	0.23	5
ML01JT9N1	9.1	4.0	100	480	3200	0.22	5
ML01JT10N	10	4.0	100	510	2900	0.22	5
ML01JT12N	12	4.0	100	680	2700	0.19	5
ML01JT15N	15	4.0	100	710	2300	0.18	5
ML01JT18N	18	4.0	100	810	2100	0.17	5
ML01JT22N	22	4.0	100	1000	1800	0.15	5

Part No.	Inductance (nH)	Q Min.	Test Freq. (MHz)	DCR(mΩ) Max.	SRF(MHz) Min.	Irms(A) Max.	Tolerance (±%)
ML01JT27N	27	4.0	100	1350	1800	0.12	5
ML01JT33N	33	4.0	100	1470	1700	0.11	5
ML01JT39N	39	4.0	100	1720	1500	0.1	5
ML01JT47N	47	4.0	100	1900	1300	0.1	5
ML01JT56N	56	4.0	100	2270	1100	0.08	5
ML01JT68N	68	4.0	100	2660	1100	0.08	5
ML01JT82N	82	4.0	100	3370	1000	0.07	5
ML01JTR10	100	4.0	100	3740	900	0.06	5

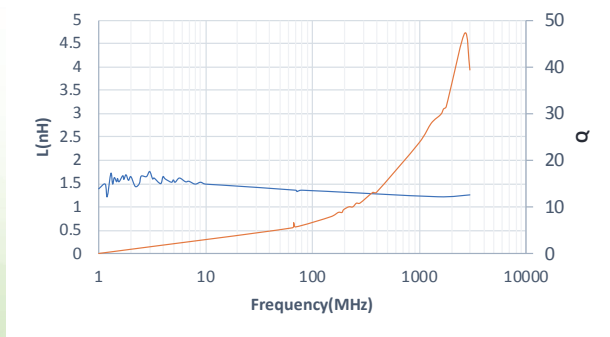
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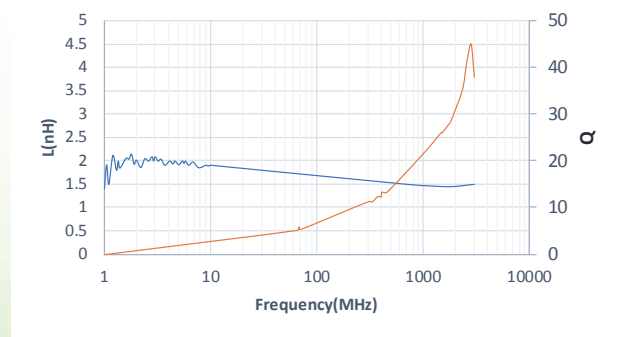
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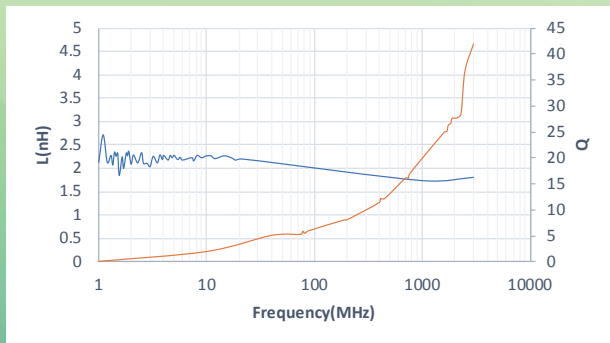
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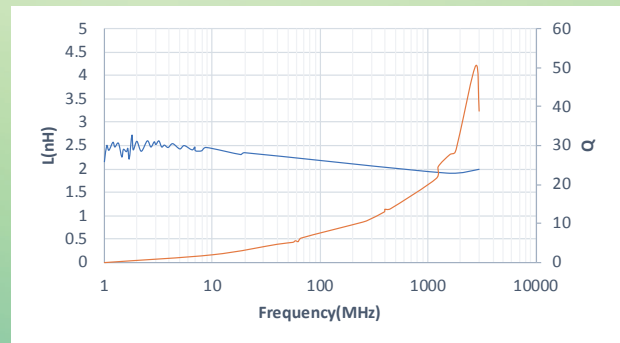
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ML01ST2N0

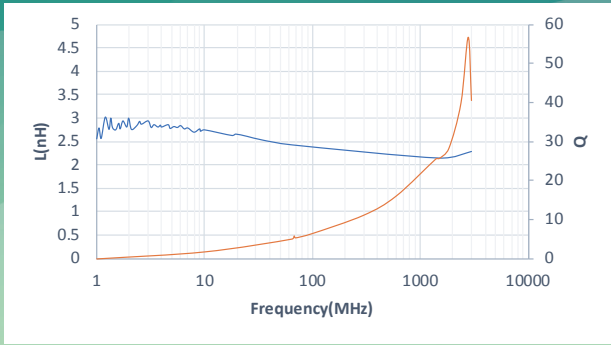


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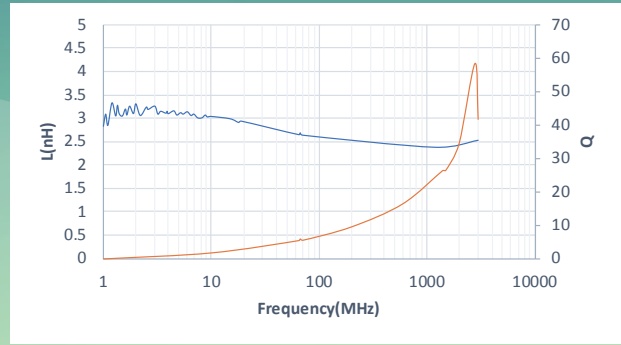


ML01

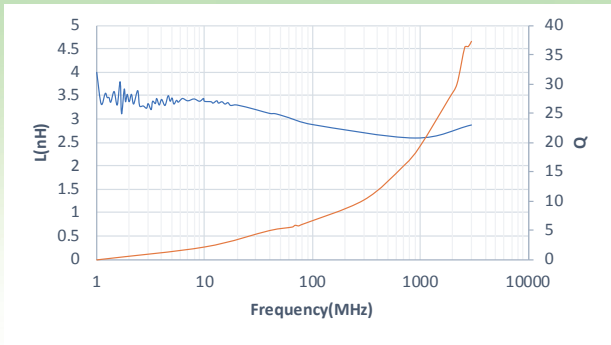
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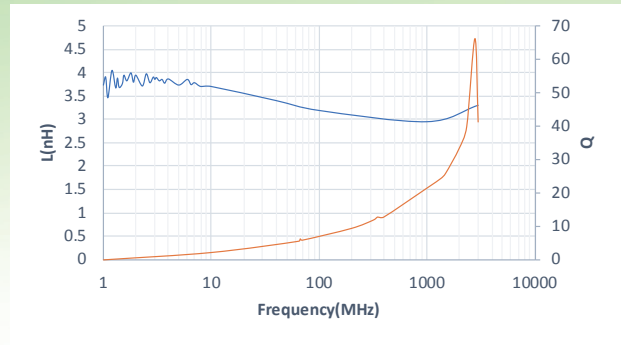
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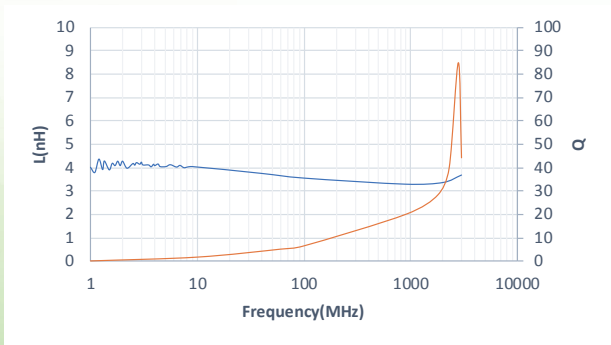
ML01ST3N0



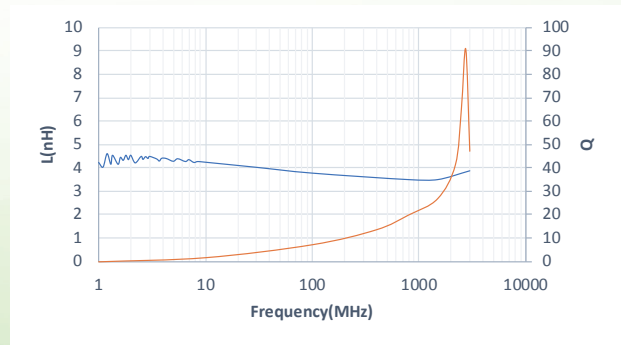
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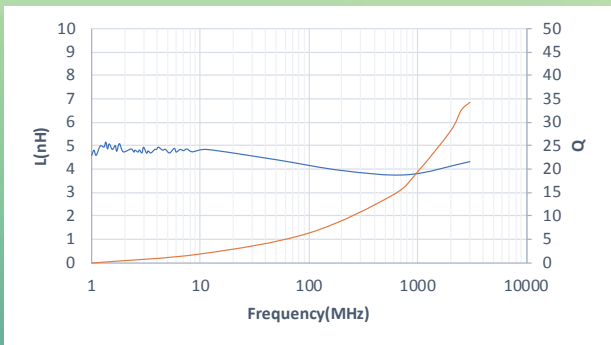
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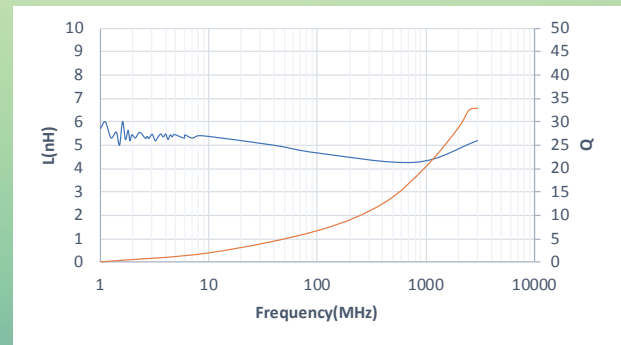
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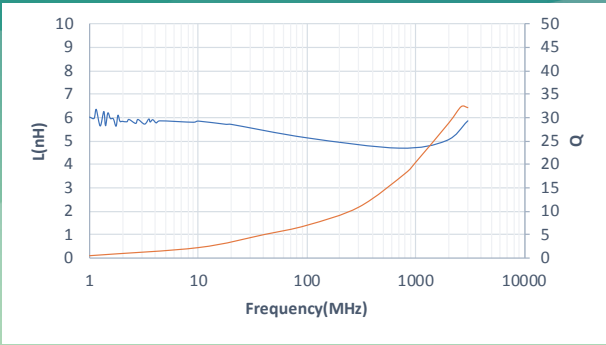
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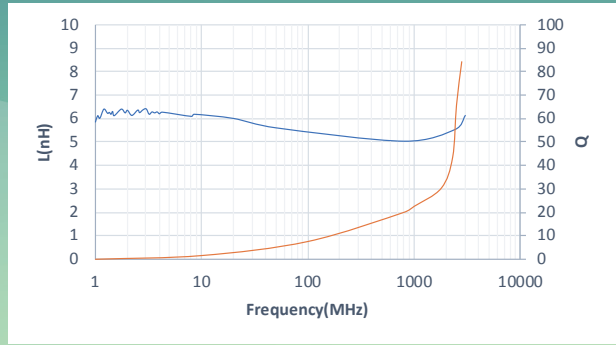
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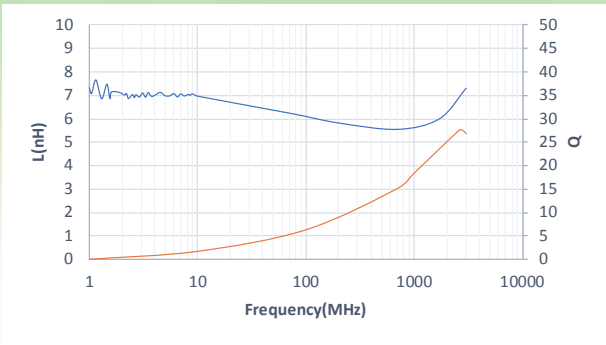
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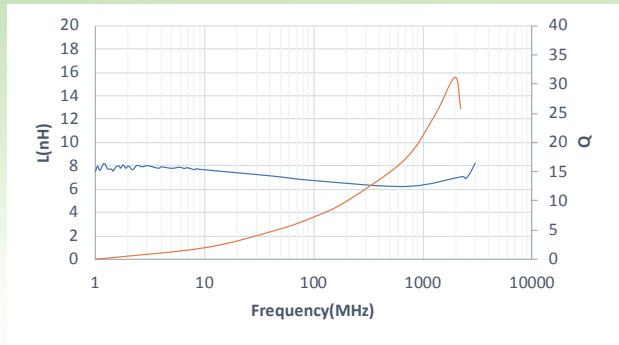
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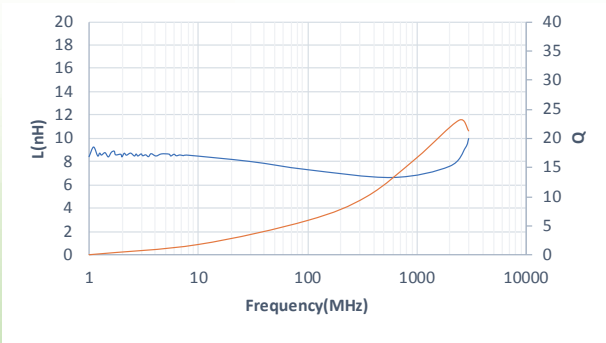
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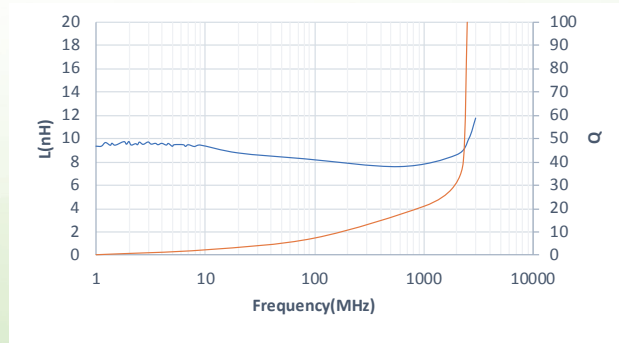
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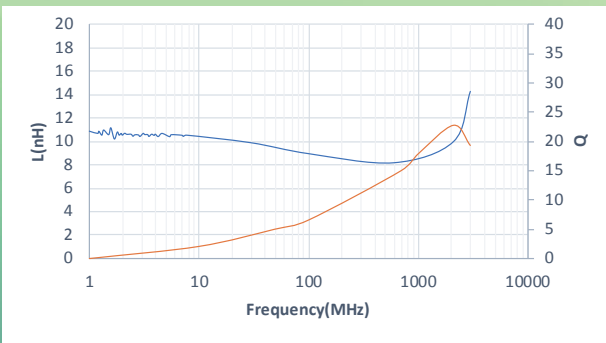
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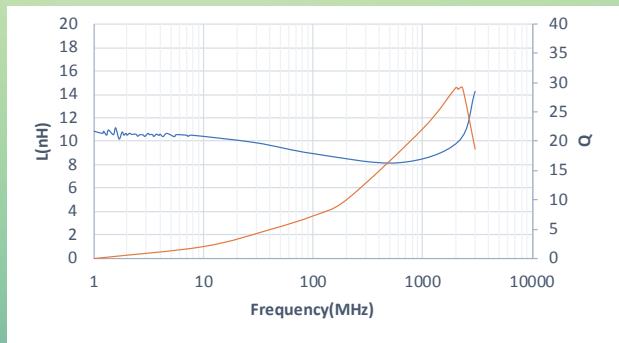
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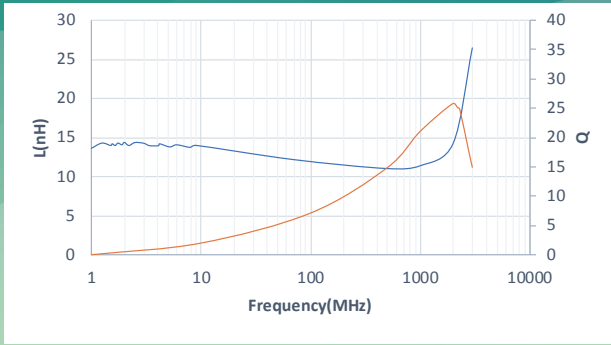
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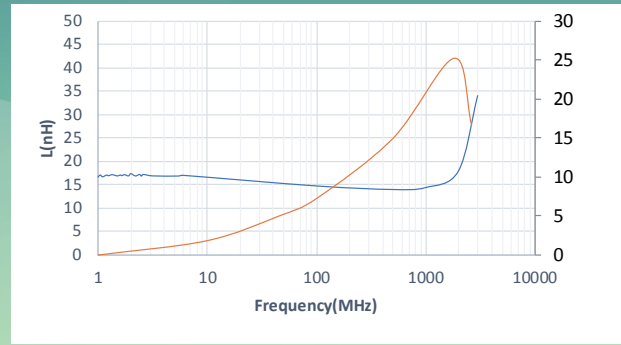
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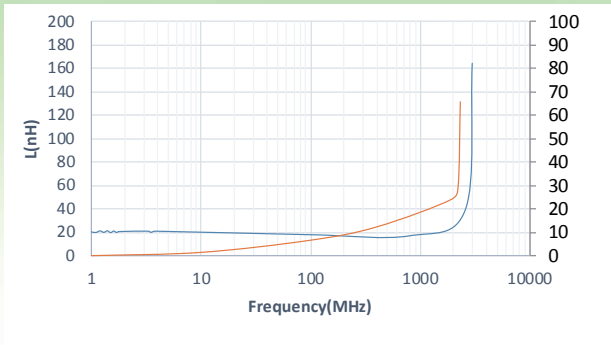
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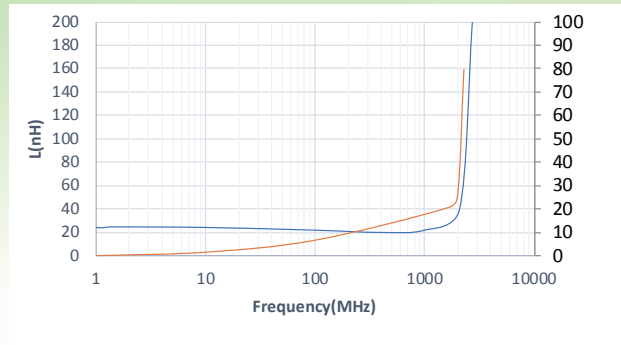
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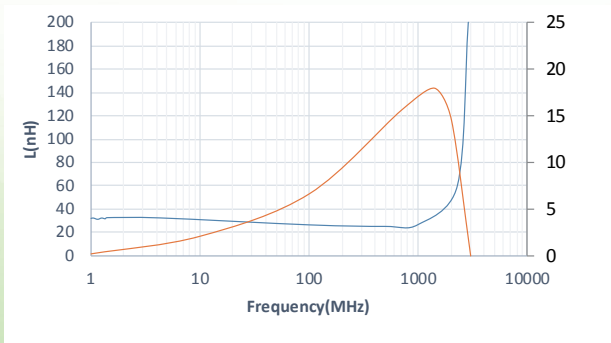
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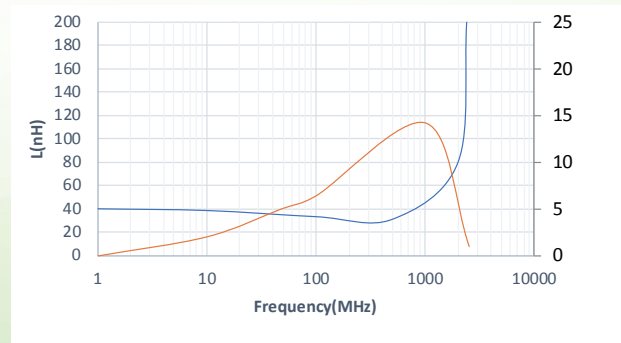
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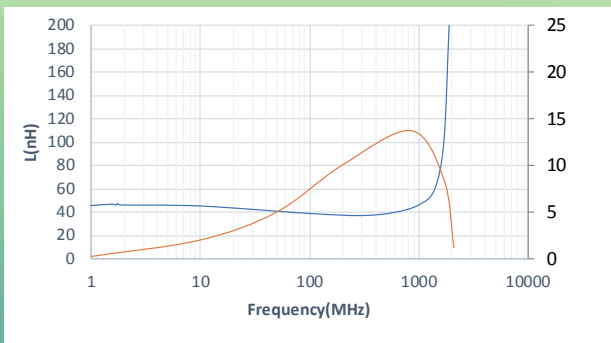
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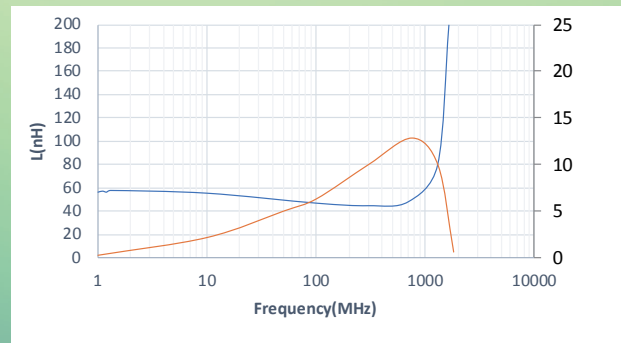
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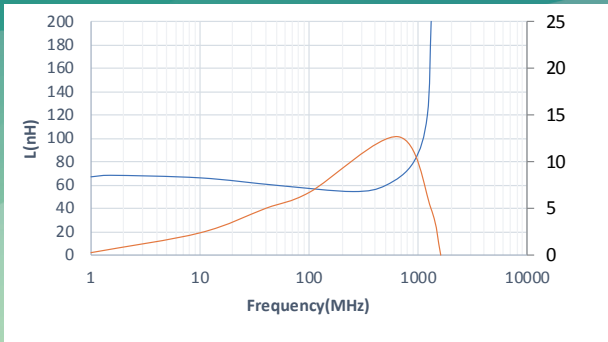
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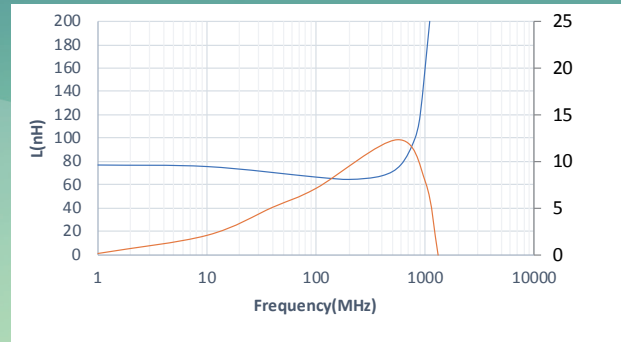
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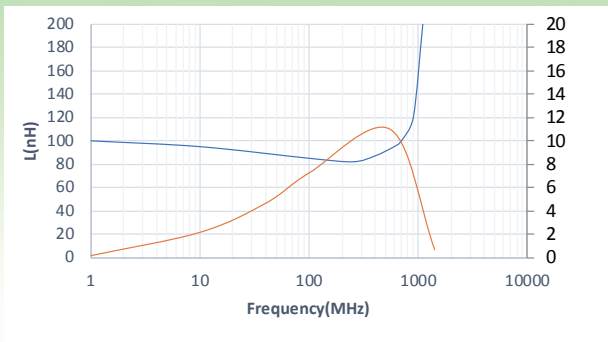
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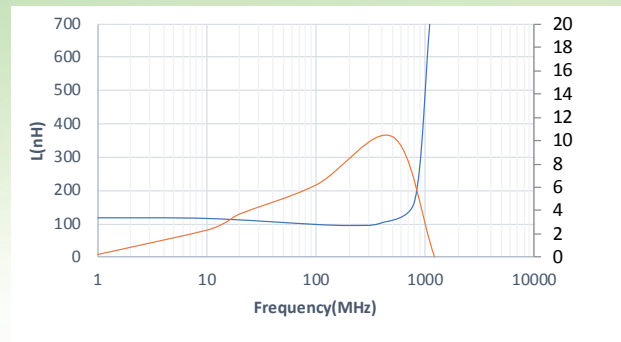
ML01JT68N



ML01JT82N



ML01JTR10



Ordering information

ML - 01 - S - T - 1N0

(1) (2) (3) (4) (5)

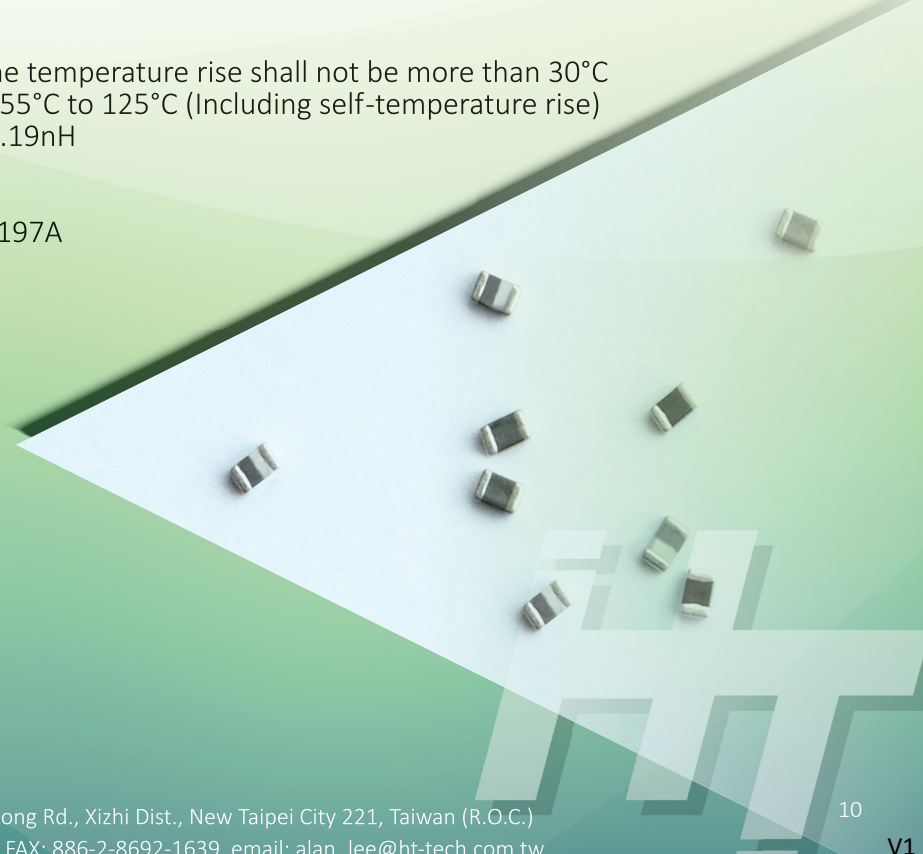
- (1) Type : Surface Mountable Type
- (2) Size : 01(0201) is size
- (3) Tolerance : S= $\pm 0.3\text{nH}$, J=5%
- (4) Packaging style : Taping Reel
- (5) Inductance : 1N0 for 1.0nH, 10N for 10nH, R10 for 100nH...

Characteristics

- Irms : Applied the current to coils, the temperature rise shall not be more than 30°C
- Operating temperature range from -55°C to 125°C (Including self-temperature rise)
- Residual impedance of short chip : 0.19nH

Test equipment

- L and Q : Agilent E4991A+Agilent 16197A
- SRF : Agilent E4991A or HP19196C
- DCR : HP4338B or CHEN HWA 502



Packing

