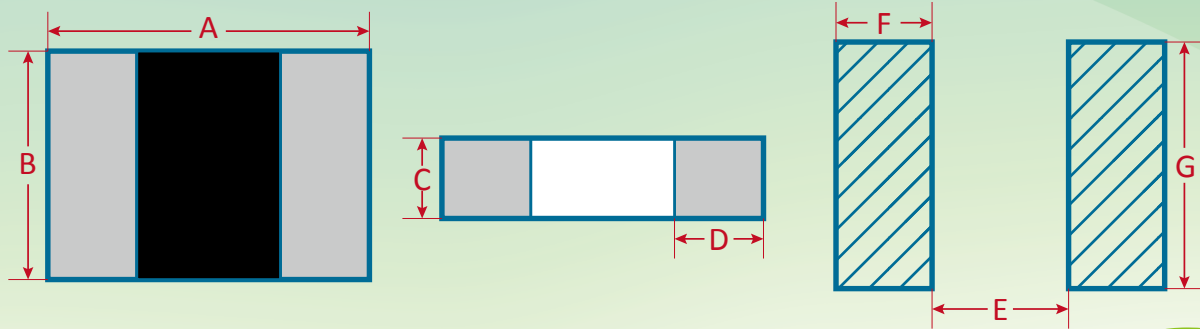


ML Series

SMD Ceramic Chip Inductor

Shape and Dimensions(mm):



RoHS

Item	A	B	C	D	E	F	G
ML02	1.0±0.05	0.5±0.05	0.32±0.05	0.2±0.1	0.5	0.45	0.6±0.2

MARKING 會因生產設備不同, 而有所差異

ML02

Part No.	Inductance (nH)	Q Min.	Test Freq. (MHz)	DCR(Ω) Max.	SRF(GHz) Typ.	IDC(mA) Max.	Tolerance (nH or ±%)
ML02□T0N2	0.2	13	500	0.10	14	800	B、C
ML02□T0N3	0.3	13	500	0.10	14	800	B、C
ML02□T0N4	0.4	13	500	0.10	14	800	B、C
ML02□T0N5	0.5	13	500	0.15	14	700	B、C
ML02□T0N6	0.6	13	500	0.15	14	700	B、C
ML02□T0N8	0.8	13	500	0.15	14	700	B、C
ML02□T0N9	0.9	13	500	0.15	14	700	B、C
ML02□T1N0	1.0	13	500	0.15	12	700	B、C
ML02□T1N1	1.1	13	500	0.15	12	700	B、C
ML02□T1N2	1.2	13	500	0.15	12	700	B、C
ML02□T1N3	1.3	13	500	0.25	10	700	B、C
ML02□T1N4	1.4	13	500	0.25	10	700	B、C
ML02□T1N5	1.5	13	500	0.25	10	700	B、C
ML02□T1N6	1.6	13	500	0.25	10	560	B、C
ML02□T1N7	1.7	13	500	0.25	10	560	B、C
ML02□T1N8	1.8	13	500	0.25	10	560	B、C
ML02□T1N9	1.9	13	500	0.35	8	560	B、C
ML02□T2N0	2.0	13	500	0.35	8	560	B、C
ML02□T2N1	2.1	13	500	0.35	8	440	B、C
ML02□T2N2	2.2	13	500	0.35	8	440	B、C
ML02□T2N3	2.3	13	500	0.35	8	440	B、C
ML02□T2N4	2.4	13	500	0.35	8	440	B、C
ML02□T2N5	2.5	13	500	0.35	8	440	B、C
ML02□T2N6	2.6	13	500	0.35	8	440	B、C
ML02□T2N7	2.7	13	500	0.35	8	440	B、C

Part No.	Inductance (nH)	Q Min.	Test Freq. (MHz)	DCR(Ω) Max.	SRF(GHz) Typ.	IDC(mA) Max.	Tolerance (nH or $\pm\%$)
ML02□T2N8	2.8	13	500	0.45	6	380	B、C
ML02□T2N9	2.9	13	500	0.45	6	380	B、C
ML02□T3N0	3.0	13	500	0.45	6	380	B、C
ML02□T3N1	3.1	13	500	0.45	6	380	B、C
ML02□T3N2	3.2	13	500	0.45	6	380	B、C
ML02□T3N3	3.3	13	500	0.45	6	380	B、C
ML02□T3N4	3.4	13	500	0.55	6	380	B、C
ML02□T3N5	3.5	13	500	0.55	6	380	B、C
ML02□T3N6	3.6	13	500	0.55	6	380	B、C
ML02□T3N7	3.7	13	500	0.55	6	340	B、C
ML02□T3N8	3.8	13	500	0.55	6	340	B、C
ML02□T3N9	3.9	13	500	0.55	6	340	B、C
ML02□T4N3	4.3	13	500	0.65	6	320	B、C
ML02□T4N7	4.7	13	500	0.65	6	320	B、C
ML02□T5N4	5.4	13	500	0.85	6	280	B、C
ML02□T5N6	5.6	13	500	0.85	6	280	B、C
ML02□T5N9	5.9	13	500	0.85	6	280	B、C
ML02□T6N5	6.5	13	500	1.05	6	260	B、C
ML02□T6N8	6.8	13	500	1.05	6	260	B、C
ML02□T7N2	7.2	13	500	1.05	6	260	B、C
ML02□T8N0	8.0	13	500	1.25	5.5	220	B、C
ML02□T8N1	8.1	13	500	1.25	5.5	220	B、C
ML02□T8N2	8.2	13	500	1.25	5.5	220	B、C
ML02□T9N1	9.1	13	500	1.25	5.5	220	B、C
ML02□T10N	10	13	500	1.35	4.5	200	F、G、H
ML02□T10N8	10.8	13	500	1.35	4.5	200	F、G、H
ML02□T12N	12	13	500	1.55	3.7	180	F、G、H
ML02□T13N8	13.8	13	500	1.75	3.7	180	F、G、H
ML02□T15N	15	13	500	1.75	3.3	130	F、G、H
ML02□T17N	17	13	500	1.95	3.1	100	F、G、H
ML02□T18N	18	13	500	2.15	3.1	100	F、G、H
ML02□T20N8	20.8	13	500	2.55	2.8	90	F、G、H
ML02□T22N	22	13	500	2.65	2.8	90	F、G、H
ML02□T27N	27	13	500	3.25	2.5	75	F、G、H

Ordering information

ML - 02 - B - T - 1N0

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

- (1) Type : Surface Mountable Type
- (2) Size : 02(0402) is size
- (3) Tolerance : B= ± 0.1 nH, C= ± 0.2 nH, F= $\pm 1\%$, G= $\pm 2\%$, H= $\pm 3\%$
- (4) Packaging style : Taping Reel
- (5) Inductance : 1N0 for 1.0nH, 10N for 10nH, R10 for 100nH...

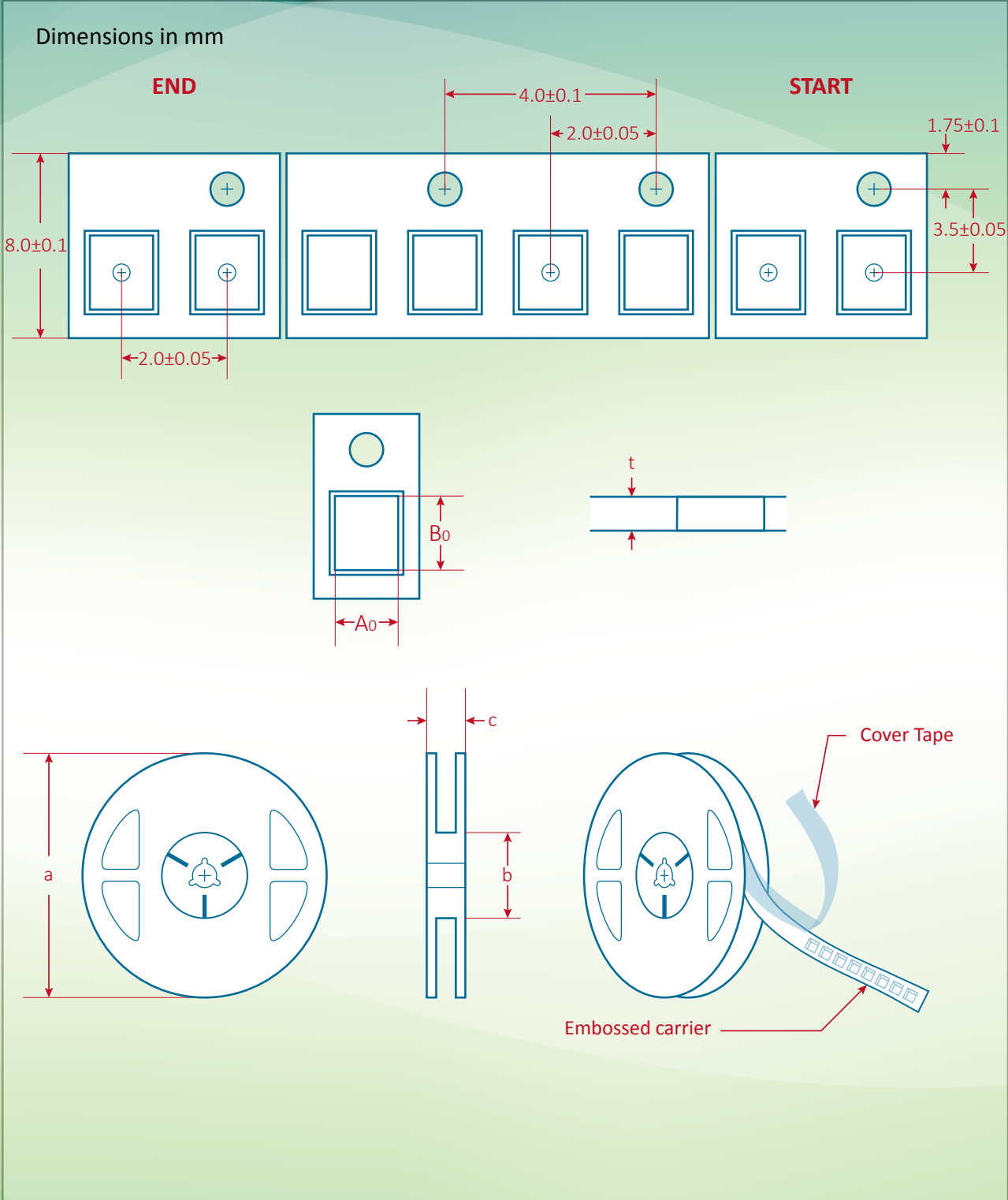
Characteristics

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

Test equipment

-HP4287A + Agilent 16196B

Packing

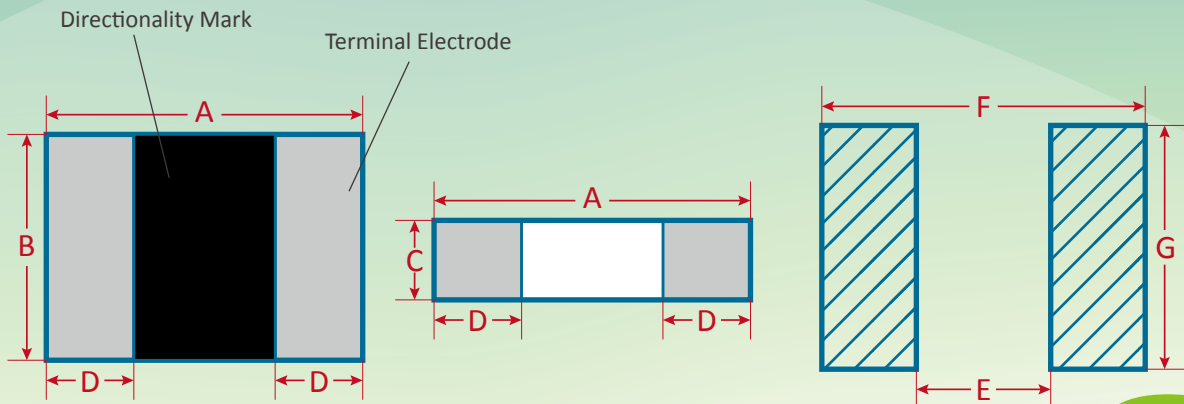


Item	A ₀	B ₀	t	a	b	c
ML02	0.70±0.05	1.16±0.05	0.43±0.03	178±1.0	60±1.0	11.5±1.0
Reel						
Q'ty(Pcs)						
10,000						

ML Series

SMD Ceramic Chip Inductor

Shape and Dimensions(mm):



Item	A	B	C	D	E	F	G
ML02	1.0±0.1	0.5±0.1	0.5±0.1	0.25±0.1	0.4 Typ.	1.4 Typ.	0.5 Typ.

MARKING 會因生產設備不同,而有所差異

ML02

Part No.	Inductance (nH)	Q Min.	Test Freq. (MHz)	DCR(mΩ) Max.	SRF(MHz) Typ.	Idc(A) Max.	Tolerance (±%)
ML02ST1N0	1.0	8.0	100	70	10000	0.4	0.3nH
ML02ST1N1	1.1	8.0	100	100	10000	0.4	0.3nH
ML02ST1N2	1.2	8.0	100	90	10000	0.4	0.3nH
ML02ST1N3	1.3	8.0	100	100	9000	0.4	0.3nH
ML02ST1N5	1.5	8.0	100	100	9000	0.4	0.3nH
ML02ST1N6	1.6	8.0	100	100	8700	0.4	0.3nH
ML02ST1N8	1.8	8.0	100	100	8700	0.4	0.3nH
ML02ST2N0	2.0	8.0	100	100	8100	0.4	0.3nH
ML02ST2N2	2.2	8.0	100	120	8100	0.4	0.3nH
ML02ST2N4	2.4	8.0	100	150	7700	0.4	0.3nH
ML02ST2N7	2.7	8.0	100	150	7700	0.4	0.3nH
ML02ST3N0	3.0	8.0	100	150	6300	0.4	0.3nH
ML02ST3N3	3.3	8.0	100	150	6300	0.4	0.3nH
ML02ST3N6	3.6	8.0	100	150	6100	0.4	0.3nH
ML02ST3N9	3.9	8.0	100	180	6100	0.4	0.3nH
ML02ST4N3	4.3	8.0	100	180	6000	0.4	0.3nH
ML02ST4N7	4.7	8.0	100	180	6000	0.4	0.3nH
ML02ST5N0	5.0	8.0	100	200	5100	0.4	0.3nH
ML02ST5N1	5.1	8.0	100	200	5300	0.4	0.3nH
ML02ST5N6	5.6	8.0	100	200	5100	0.4	0.3nH
ML02JT6N8	6.8	8.0	100	240	4550	0.4	5
ML02JT8N0	8.0	8.0	100	300	4100	0.3	5
ML02JT8N2	8.2	8.0	100	240	4100	0.3	5
ML02JT9N1	9.1	8.0	100	260	3900	0.3	5
ML02JT10N	10	8.0	100	260	3900	0.3	5

Part No.	Inductance (nH)	Q Min.	Test Freq. (MHz)	DCR(mΩ) Max.	SRF(MHz) Typ.	Idc(A) Max.	Tolerance (±%)
ML02JT12N	12	8.0	100	400	3000	0.3	5
ML02JT15N	15	8.0	100	500	2800	0.3	5
ML02JT18N	18	8.0	100	550	2500	0.3	5
ML02JT22N	22	8.0	100	700	2200	0.3	5
ML02JT24N	24	8.0	100	700	2100	0.3	5
ML02JT27N	27	8.0	100	800	2000	0.3	5
ML02JT33N	33	8.0	100	900	1800	0.2	5
ML02JT39N	39	8.0	100	1000	1600	0.15	5
ML02JT47N	47	8.0	100	1200	1400	0.15	5
ML02JT56N	56	8.0	100	1300	1300	0.15	5
ML02JT68N	68	8.0	100	1500	1100	0.1	5
ML02JT75N	75	8.0	100	1500	1080	0.1	5
ML02JT82N	82	8.0	100	1600	1000	0.1	5
ML02JTR10	100	8.0	100	2000	900	0.1	5
ML02JTR12	120	8.0	100	2200	800	0.1	5
ML02JTR15	150	8.0	100	3500	700	0.1	5
ML02JTR18	180	8.0	100	3800	600	0.1	5
ML02JTR22	220	8.0	100	4200	500	0.1	5
ML02JTR27	270	8.0	100	4800	500	0.1	5

Ordering information

ML - 02 - S - T - 1N0

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

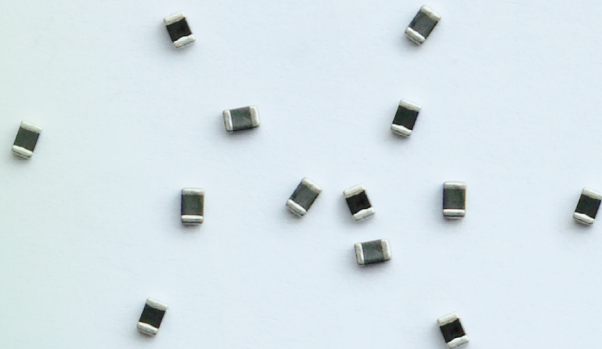
- (1) Type : Surface Mountable Type
- (2) Size : 02(0402) is size
- (3) Tolerance : S= ±0.3nH, J=5%
- (4) Packaging style : Taping Reel
- (5) Inductance : 1N0 for 1.0nH, 10N for 10nH, R10 for 100nH...

Characteristics

- Idc : Applied the current to coils, the inductance shall be less than 10% initial value
- Operating temperature range from -55°C to 125°C (Including self-temperature rise)

Test equipment

- L and Q : Agilent E4991A+Agilent 16197A
- SRF : HP8753D
- DCR : HP4338B or CHEN HWA 502



ML02

Packing

