



Scope

Viking' s 0201 and 0402 and 0603 series inductor is a photo lithographically etched single layer ceramic chip. Viking' s design provides high SRF, excellent Q, and superior temperature stability. This highly stable inductor family is specifically designed for critical tolerance needs.

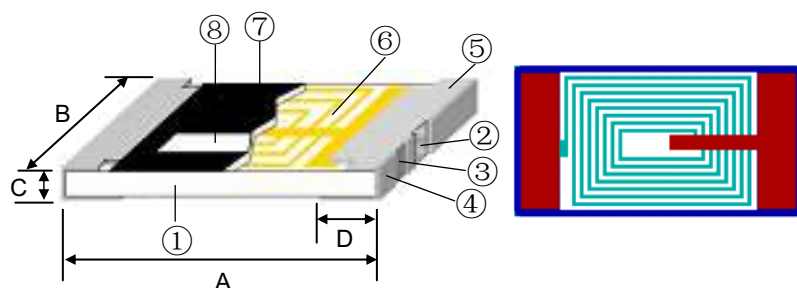
Features

- I Photolithographic single layer ceramic chip.
- II High SRF, excellent Q, superior temperature stability.
- III Tight tolerance of $\pm 1\%$ or $\pm 0.1\text{nH}$.
- IV Self resonant frequency controlled within 10%.
- V Stable inductance in high frequency circuit.
- VI Highly stable design for critical needs.

Applications

- I Cellular Telephone, Pagers and GPS Products
- II VCO, TCXO Circuit and RF Transceiver Module
- III Wireless LAN, Bluetooth Module, Communication Appliances

Construction



① Alumina Substrate	④ External Electrode (Sn)	⑦ Overcoat
② Inner Electrode (Ni-Cr)	⑤ Edge Electrode	⑧ Marking
③ Barrier Layer (Ni)	⑥ Cu Circuits	

Dimensions

Type	Size (Inch)	A	B	C	D	Weight(g) (1000pcs)
AL01	0201	0.60 ± 0.05	0.30 ± 0.05	0.23 ± 0.05	0.15 ± 0.05	0.23
AL02	0402	1.0 ± 0.05	0.5 ± 0.05	0.32 ± 0.05	0.2 ± 0.10	0.9

Ordering Information

Example:

AL	02	G	T	10N	—
(1)	(2)	(3)	(4)	(5)	(6)
Series Name	Dimensions	Inductance Tolerance	Packaging Code	Inductance	

(1)Type: AL SERIES

(2)Dimensions : 01=0201,02=0402

(3)Inductance Tolerance: B: $\pm 0.1\text{nH}$,C: $\pm 0.2\text{nH}$,S: $\pm 0.3\text{nH}$,F: $\pm 1\%$,G: $\pm 2\%$,H: $\pm 3\%$,J: $\pm 5\%$

(4)Packaging Code: T: Taping Reel

(5)Inductance : 1N0: 1nH,10N: 10nH,20N8: 20.8nH

(6)—:Standard,01: High Current,02: High Q

Reference Standards

JISC 5201-1

Standard Electrical Specifications

AL01 Chip Inductors / Standard Type

Inductance (nH)	Inductance Tolerance (nH or %)	Quality Factor min.	SRF (GHz) min.	DCR (Ω) max.	IDC (mA) max.
0.1	±0.1 , 0.2, 0.3nH	8 / 500MHz	9	0.20	400
0.2	±0.1 , 0.2, 0.3nH	8 / 500MHz	9	0.20	400
0.3	±0.1 , 0.2, 0.3nH	8 / 500MHz	9	0.20	400
0.4	±0.1 , 0.2, 0.3nH	8 / 500MHz	9	0.25	350
0.5	±0.1 , 0.2, 0.3nH	8 / 500MHz	9	0.25	350
0.6	±0.1 , 0.2, 0.3nH	8 / 500MHz	9	0.25	350
0.7	±0.1 , 0.2, 0.3nH	8 / 500MHz	9	0.30	300
0.8	±0.1 , 0.2, 0.3nH	8 / 500MHz	9	0.30	300
0.9	±0.1 , 0.2, 0.3nH	8 / 500MHz	9	0.30	300
1.0	±0.1 , 0.2, 0.3nH	8 / 500MHz	9	0.30	300
1.1	±0.1 , 0.2, 0.3nH	8 / 500MHz	9	0.35	300
1.2	±0.1 , 0.2, 0.3nH	8 / 500MHz	9	0.35	300
1.3	±0.1 , 0.2, 0.3nH	8 / 500MHz	9	0.45	250
1.4	±0.1 , 0.2, 0.3nH	8 / 500MHz	9	0.45	250
1.5	±0.1 , 0.2, 0.3nH	8 / 500MHz	9	0.45	250
1.6	±0.1 , 0.2, 0.3nH	8 / 500MHz	9	0.55	200
1.7	±0.1 , 0.2, 0.3nH	8 / 500MHz	9	0.55	200
1.8	±0.1 , 0.2, 0.3nH	8 / 500MHz	9	0.55	200
1.9	±0.1 , 0.2, 0.3nH	8 / 500MHz	9	0.55	200
2.0	±0.1 , 0.2, 0.3nH	8 / 500MHz	8	0.70	200
2.1	±0.1 , 0.2, 0.3nH	8 / 500MHz	8	0.70	200
2.2	±0.1 , 0.2, 0.3nH	8 / 500MHz	8	0.70	200
2.3	±0.1 , 0.2, 0.3nH	8 / 500MHz	8	0.80	150
2.4	±0.1 , 0.2, 0.3nH	8 / 500MHz	8	0.80	150
2.5	±0.1 , 0.2, 0.3nH	8 / 500MHz	8	0.80	150
2.6	±0.1 , 0.2, 0.3nH	8 / 500MHz	8	0.80	150
2.7	±0.1 , 0.2, 0.3nH	8 / 500MHz	8	0.80	150
2.8	±0.1 , 0.2, 0.3nH	8 / 500MHz	6	1.00	150
2.9	±0.1 , 0.2, 0.3nH	8 / 500MHz	6	1.00	150
3.0	±0.1 , 0.2, 0.3nH	8 / 500MHz	6	1.00	150
3.1	±0.1 , 0.2, 0.3nH	8 / 500MHz	6	1.00	150
3.2	±0.1 , 0.2, 0.3nH	8 / 500MHz	6	1.00	150
3.3	±0.1 , 0.2, 0.3nH	8 / 500MHz	6	1.00	150
3.4	±0.1 , 0.2, 0.3nH	8 / 500MHz	6	1.20	150
3.5	±0.1 , 0.2, 0.3nH	8 / 500MHz	6	1.20	150
3.6	±0.1 , 0.2, 0.3nH	8 / 500MHz	6	1.20	150
3.7	±0.1 , 0.2, 0.3nH	8 / 500MHz	6	1.20	150
3.8	±0.1 , 0.2, 0.3nH	8 / 500MHz	6	1.20	150
3.9	±0.1 , 0.2, 0.3nH	8 / 500MHz	6	1.20	150
4.0	±0.1 , 0.2, 0.3nH	8 / 500MHz	6	1.20	150
4.4	±0.1 , 0.2, 0.3nH	8 / 500MHz	6	1.30	140
4.7	±0.1 , 0.2, 0.3nH	8 / 500MHz	6	1.40	130
4.9	±0.1 , 0.2, 0.3nH	8 / 500MHz	6	1.60	130
5.6	±2, ±5%	8 / 500MHz	4	1.80	130
6.1	±2, ±5%	8 / 500MHz	4	1.80	120
6.8	±2, ±5%	8 / 500MHz	4	1.80	110
7.4	±2, ±5%	8 / 500MHz	4	1.80	110
8.2	±2, ±5%	8 / 500MHz	3	1.80	110
9.1	±2, ±5%	8 / 500MHz	3	1.80	100
9.2	±2, ±5%	8 / 500MHz	3	1.80	100
10	±2, ±5%	8 / 500MHz	2	1.80	80

AL01-01 Chip Inductors / High Current Type

Inductance (nH)	Inductance Tolerance (nH or %)	Quality Factor min.	SRF (GHz) min.	DCR (Ω) max.	IDC (mA) max.
0.1	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.05	600
0.2	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.05	600
0.3	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.05	600
0.4	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.05	600
0.5	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.10	600
0.6	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.10	600
0.7	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.10	600
0.8	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.10	600
0.9	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.10	600
1.0	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.15	600
1.1	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.15	600
1.2	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.15	600
1.3	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.20	600
1.4	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.20	600
1.5	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.25	600
1.6	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.25	600
1.7	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.30	500
1.8	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.30	500
1.9	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.30	500
2.0	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.30	500
2.1	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.30	500
2.2	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.35	500
2.3	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.35	500
2.4	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.35	450
2.5	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.35	450
2.6	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.35	450
2.7	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.35	450
2.8	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.50	450
2.9	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.50	450
3.0	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.50	400
3.1	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.50	400
3.2	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.50	400
3.3	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.50	400
3.4	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.80	350
3.5	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.80	350
3.6	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.80	350
3.7	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.80	350
3.8	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.80	350
3.9	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.80	350
4.0	± 0.1 , 0.2, 0.3nH	10 / 500MHz	6	0.80	350

AL01-02 Chip Inductors / High Q Type

Inductance (nH)	Inductance Tolerance (nH or %)	Quality Factor min.	SRF (GHz) min.	DCR (Ω) max.	IDC (mA) max.
0.1	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.05	850
0.2	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.05	800
0.3	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.05	800
0.4	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.05	750
0.5	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.10	750
0.6	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.10	750
0.7	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.10	600
0.8	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.10	600
0.9	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.10	600
1.0	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.15	600
1.1	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.15	600
1.2	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.15	600
1.3	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.15	600
1.4	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.15	600
1.5	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.15	600
1.6	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.15	600
1.7	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.2	500
1.8	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.2	500
1.9	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.2	500
2.0	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.2	500
2.1	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.2	500
2.2	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.2	500
2.3	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.2	500
2.4	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.25	450
2.5	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.25	450
2.6	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.25	450
2.7	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.25	450
2.8	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.25	450
2.9	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.25	450
3.0	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.3	400
3.1	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.3	400
3.2	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.3	400
3.3	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.3	400
3.4	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.4	350
3.5	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.4	350
3.6	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.4	350
3.7	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.4	350
3.8	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.4	350
3.9	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.4	350
4.0	± 0.1 , 0.2, 0.3nH	14 / 500MHz	6	0.4	350

AL02 Chip Inductors / Standard Type

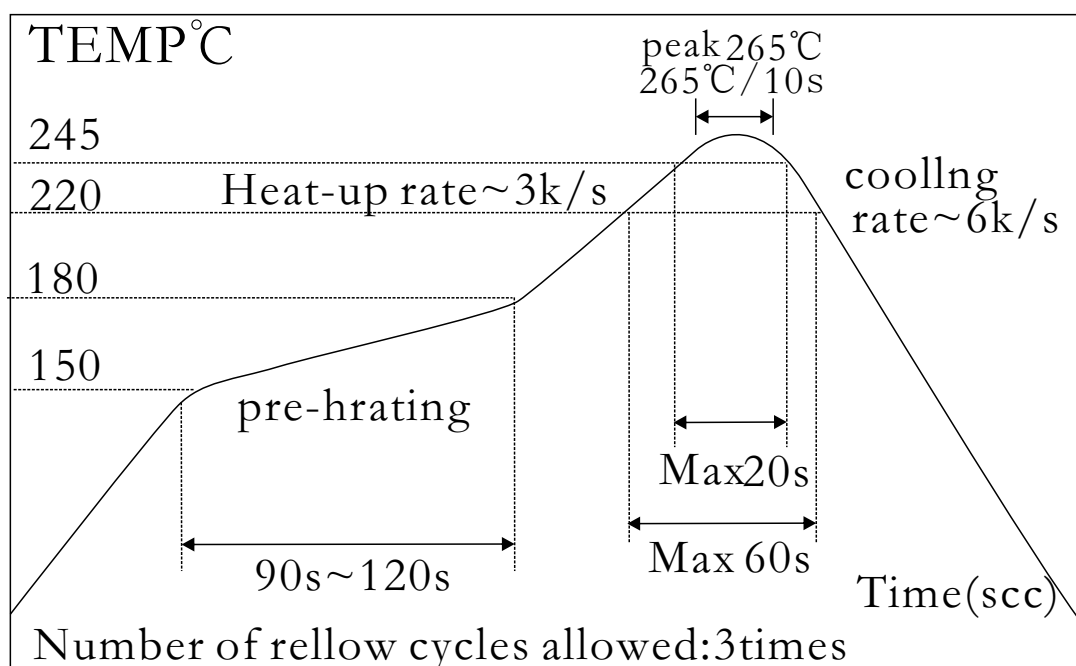
Inductance (nH)	Inductance Tolerance (nH or %)	Quality Factor min.	SRF (GHz) min.	DCR (Ω) max.	IDC (mA) max.
0.2	±0.1 ,0.2, 0.3nH	13 / 500MHz	14	0.10	800
0.3	±0.1 ,0.2, 0.3nH	13 / 500MHz	14	0.10	800
0.4	±0.1 ,0.2, 0.3nH	13 / 500MHz	14	0.10	800
0.5	±0.1 ,0.2, 0.3nH	13 / 500MHz	14	0.15	700
0.6	±0.1 ,0.2, 0.3nH	13 / 500MHz	14	0.15	700
0.8	±0.1 ,0.2, 0.3nH	13 / 500MHz	14	0.15	700
0.9	±0.1 ,0.2, 0.3nH	13 / 500MHz	14	0.15	700
1.0	±0.1 ,0.2, 0.3nH	13 / 500MHz	12	0.15	700
1.1	±0.1 ,0.2, 0.3nH	13 / 500MHz	12	0.15	700
1.2	±0.1 ,0.2, 0.3nH	13 / 500MHz	12	0.15	700
1.3	±0.1 ,0.2, 0.3nH	13 / 500MHz	10	0.25	700
1.4	±0.1 ,0.2, 0.3nH	13 / 500MHz	10	0.25	700
1.5	±0.1 ,0.2, 0.3nH	13 / 500MHz	10	0.25	700
1.6	±0.1 ,0.2, 0.3nH	13 / 500MHz	10	0.25	560
1.7	±0.1 ,0.2, 0.3nH	13 / 500MHz	10	0.25	560
1.8	±0.1 ,0.2, 0.3nH	13 / 500MHz	10	0.25	560
1.9	±0.1 ,0.2, 0.3nH	13 / 500MHz	8	0.35	560
2.0	±0.1 ,0.2, 0.3nH	13 / 500MHz	8	0.35	560
2.1	±0.1 ,0.2, 0.3nH	13 / 500MHz	8	0.35	440
2.2	±0.1 ,0.2, 0.3nH	13 / 500MHz	8	0.35	440
2.3	±0.1 ,0.2, 0.3nH	13 / 500MHz	8	0.35	440
2.4	±0.1 , 0.2, 0.3nH	13 / 500MHz	8	0.35	440
2.5	±0.1 ,0.2, 0.3nH	13 / 500MHz	8	0.35	440
2.6	±0.1 ,0.2, 0.3nH	13 / 500MHz	8	0.35	440
2.7	±0.1 ,0.2, 0.3nH	13 / 500MHz	8	0.35	440
2.8	±0.1 ,0.2, 0.3nH	13 / 500MHz	6	0.45	380
2.9	±0.1 ,0.2, 0.3nH	13 / 500MHz	6	0.45	380
3.0	±0.1 ,0.2, 0.3nH	13 / 500MHz	6	0.45	380
3.1	±0.1 , 0.2, 0.3nH	13 / 500MHz	6	0.45	380
3.2	±0.1 ,0.2, 0.3nH	13 / 500MHz	6	0.45	380
3.3	±0.1 ,0.2, 0.3nH	13 / 500MHz	6	0.45	380
3.4	±0.1 ,0.2, 0.3nH	13 / 500MHz	6	0.55	380
3.5	±0.1 ,0.2, 0.3nH	13 / 500MHz	6	0.55	380
3.6	±0.1 ,0.2, 0.3nH	13 / 500MHz	6	0.55	380
3.7	±0.1 , 0.2, 0.3nH	13 / 500MHz	6	0.55	340
3.8	±0.1 , 0.2, 0.3nH	13 / 500MHz	6	0.55	340
3.9	±0.1 ,0.2, 0.3nH	13 / 500MHz	6	0.55	340
4.3	±0.1 , 0.2, 0.3nH	13 / 500MHz	6	0.65	320
4.7	±0.1 , 0.2, 0.3nH	13 / 500MHz	6	0.65	320
5.4	±0.1 , 0.2, 0.3nH	13 / 500MHz	6	0.85	280
5.6	±0.1 , 0.2, 0.3nH	13 / 500MHz	6	0.85	280
5.9	±0.1 ,0.2, 0.3nH	13 / 500MHz	6	0.85	280
6.5	±0.1 , 0.2, 0.3nH	13 / 500MHz	6	1.05	260
6.8	±0.1 , 0.2, 0.3nH	13 / 500MHz	6	1.05	260
7.2	±0.1 ,0.2, 0.3nH	13 / 500MHz	6	1.05	260
8.0	±0.1 , 0.2, 0.3nH	13 / 500MHz	5.5	1.25	220
8.1	±0.1 ,0.2, 0.3nH	13 / 500MHz	5.5	1.25	220
8.2	±0.1 ,0.2, 0.3nH	13 / 500MHz	5.5	1.25	220
9.1	±0.1 ,0.2, 0.3nH	13 / 500MHz	5.5	1.25	220
10.0	±1 , 2, 3, 5%	13 / 500MHz	4.5	1.35	200
10.8	±1 , 2, 3, 5%	13 / 500MHz	4.5	1.35	200
12.0	±1 , 2, 3, 5%	13 / 500MHz	3.7	1.55	180
13.8	±1 , 2, 3, 5%	13 / 500MHz	3.7	1.75	180
15.0	±1 , 2, 3, 5%	13 / 500MHz	3.3	1.75	130
17.0	±1 , 2, 3, 5%	13 / 500MHz	3.1	1.95	100
18.0	±1 , 2, 3, 5%	13 / 500MHz	3.1	2.15	100
20.8	±1 , 2, 3, 5%	13 / 500MHz	2.8	2.55	90
22.0	±1 , 2, 3, 5%	13 / 500MHz	2.8	2.65	90
27.0	±1 , 2, 3, 5%	13 / 500MHz	2.5	3.25	75
33.0	±5	13 / 500MHz	2.5	4.50	75

Environmental Characteristics

Item	Requirement	Test Method
Inductance	As Spec.	Measuring equipment and fixture: 0201: HP4287+Agilent 16196C 0402: HP4287+Agilent 16196B 0603: HP4287+Agilent 16196A
Insulation Resistance	>1000MΩ	MIL-STD-202 Method 302 Apply 100V _{DC} for 1minute
Damp Heat with Load	$\Delta L \leq 10\%$	MIL-STD-202 Method 103B 40 ± 2 °C, 90~95% R.H. Max. working voltage for 1000 hrs with 1.5 hrs "ON" and 0.5 hrs "OFF"
Bending Strength	As Spec.	JIS-C-5201-1 6.1.4 Bending Amplitude 3mm for 10 seconds
Solderability	95% min. coverage	MIL-STD-202 Method 208H 245 ± 5 °C for 3 seconds
Resistance to Soldering Heat	$\Delta L \leq 10\%$	MIL-STD-202 Method 210E 260 ± 5 °C for 10 seconds
Dielectric Withstand Voltage	>100V	MIL-STD-202 Method 301 Apply 100VA (rms) for 1minute
High Temperature Exposure	$\Delta L \leq 10\%$	JIS-C-5201-1 7.2 85 ± 2 °C, 1000 +48/-0 hours
Low Temperature Storage	$\Delta L \leq 10\%$	JIS-C-5201-1 7.1 -40 ± 3 °C, 1000 +48/-0 hours
Temperature Cycle	$\Delta L \leq 10\%$	JIS-C-5201-1 7.4 -40/RT/85/RT, 10 cycles

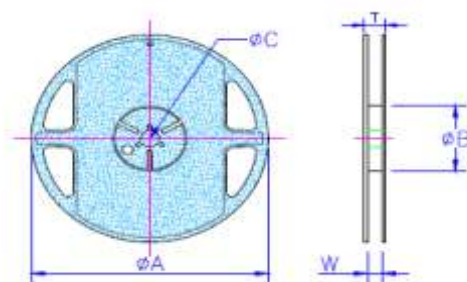
Storage Temperature: 25±3°C; Humidity < 80%RH

Reflow



Packaging

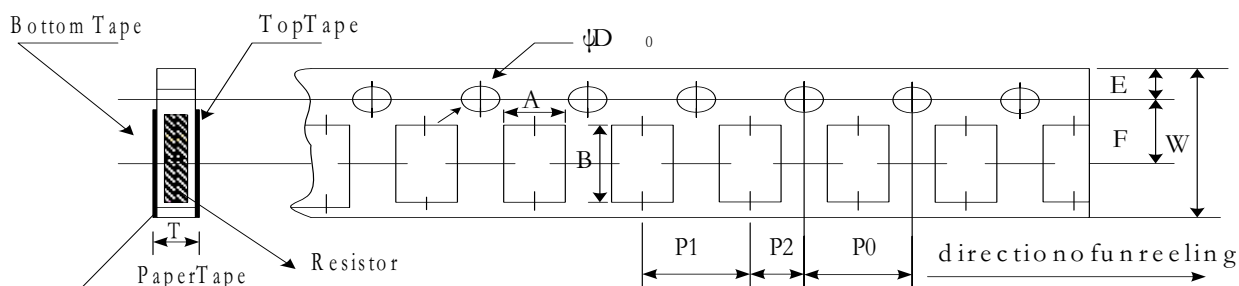
Reel Specifications & Packaging Quantity



Unit: mm

Type	ψA	ψB	ψC	W	T	Quantity(EA)
AL01	178 ± 1.0	60.0 ± 1.0	13.5 ± 0.70	9.5 ± 1.0	11.5 ± 1.0	10,000
AL02	178 ± 1.0	60.0 ± 1.0	13.5 ± 0.70	9.5 ± 1.0	11.5 ± 1.0	10,000

Paper Tape Specifications



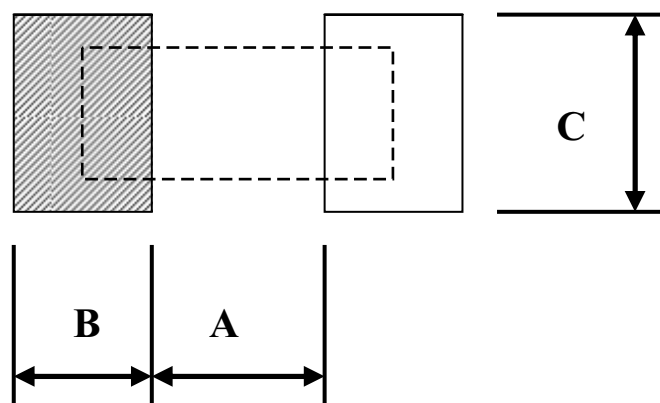
Unit: mm

Type	A	B	W	E	F	P0	P1	P2	$\psi D0$	T
AL01	0.40 ± 0.05	0.70 ± 0.05	8.00 ± 0.10	1.75 ± 0.05	3.50 ± 0.05	4.00 ± 0.10	2.00 ± 0.05	2.00 ± 0.05	1.55 ± 0.03	0.42 ± 0.02
AL02	0.70 ± 0.05	1.16 ± 0.05	8.00 ± 0.10	1.75 ± 0.05	3.50 ± 0.05	4.00 ± 0.10	2.00 ± 0.05	2.00 ± 0.05	1.55 ± 0.05	0.40 ± 0.03

Remark: Test Method

Test direction: bar mark faces left

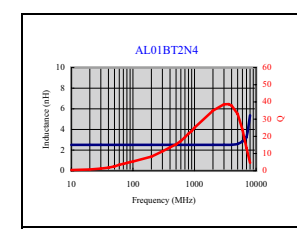
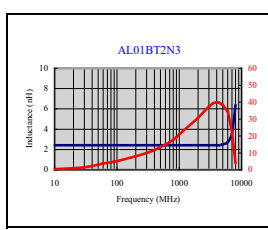
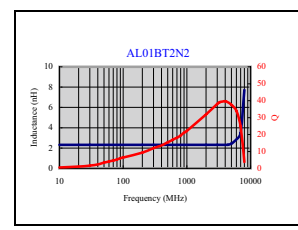
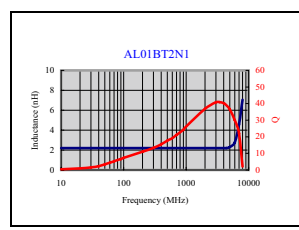
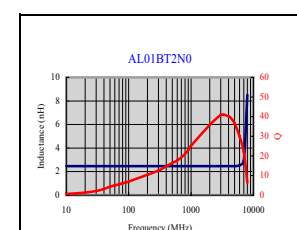
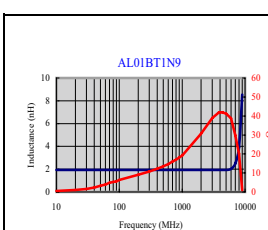
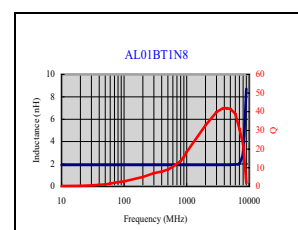
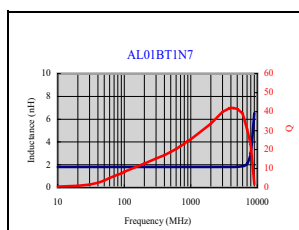
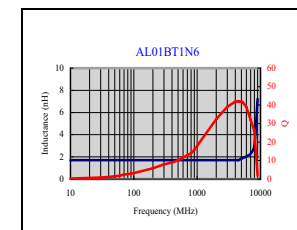
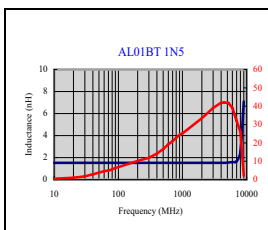
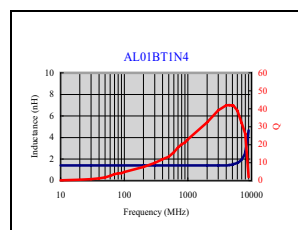
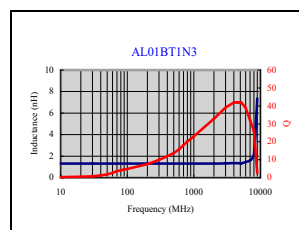
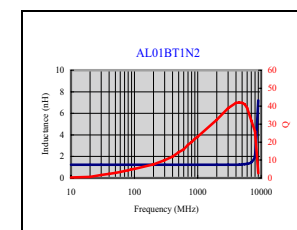
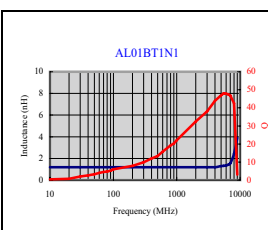
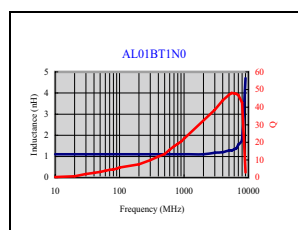
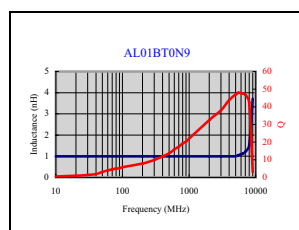
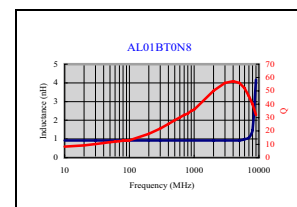
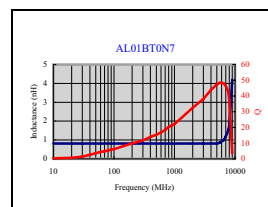
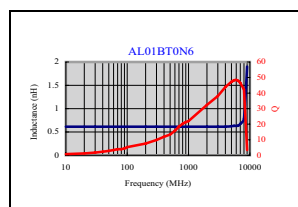
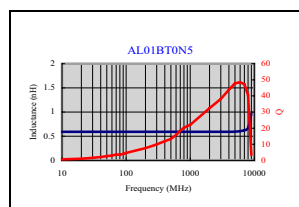
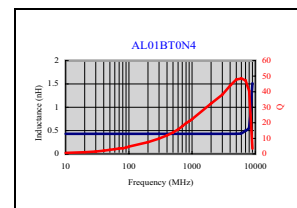
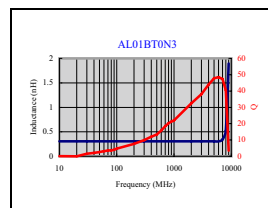
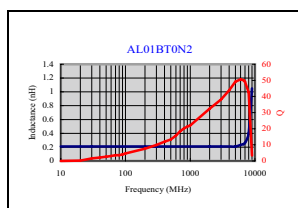
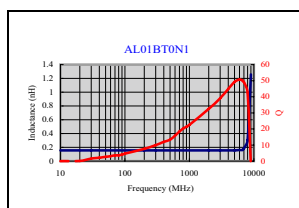
Recommend Land Pattern

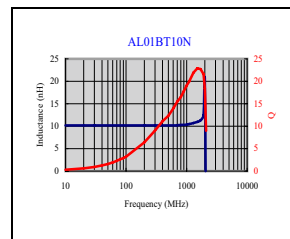
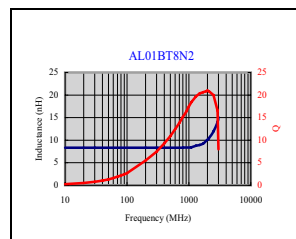
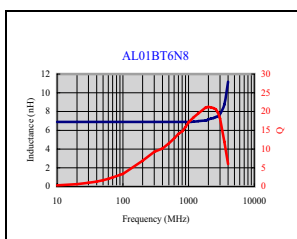
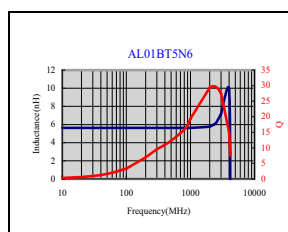
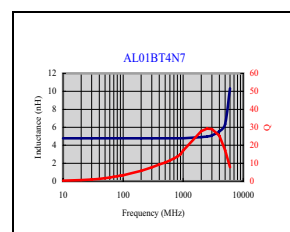
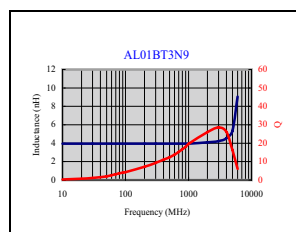
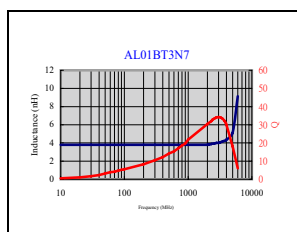
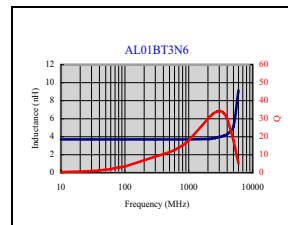
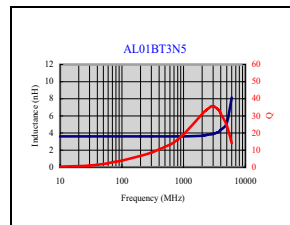
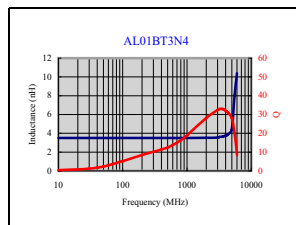
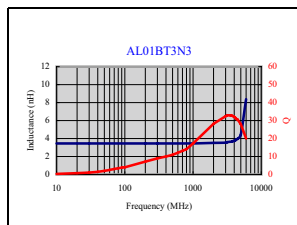
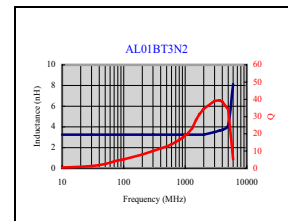
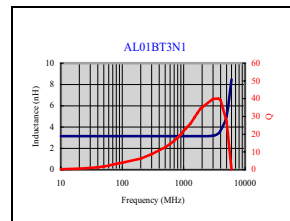
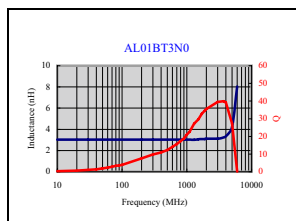
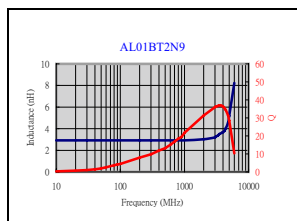
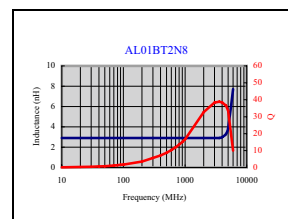
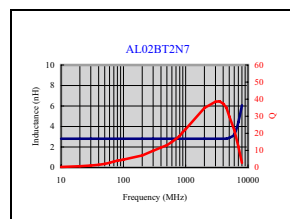
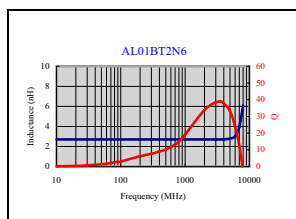
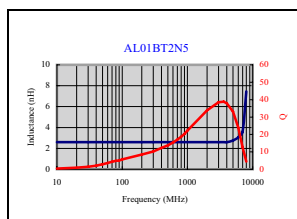


Unit: mm

Type	A	B	C
AL01	0.30	0.25	0.30 ± 0.2
AL02	0.50	0.45	0.60 ± 0.2

Curve





Curve

