

■ Features:

- Utilizing a miniaturized winding structure
- These products provide low DC resistance and high current
- Precision inductance tolerance is available

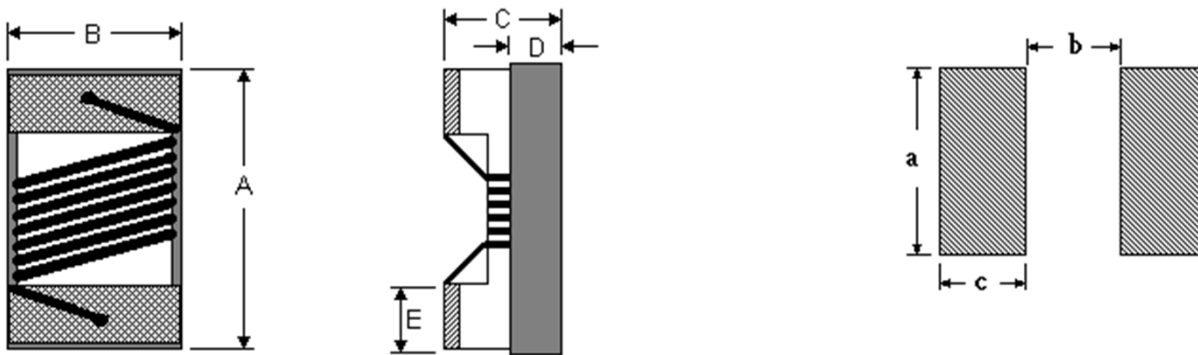
■ Applications:

- Personal computers, Hard disk drives
- ADSL modem and Cable modem
- Digital camera and other electronic equipment

■ Parts code:

NLP 0603 — 1R0 — J
 Type Inductance code Tolerance: J : ± 5%
 K : ± 10%

■ Recommended Land Pattern:



Dimensions in mm

TYPE	A	B	C	D	E	a	b	c
NLP 0603	1.80 max	1.20 max	1.20 max	0.45 ref	0.33±0.1	1.10	0.64	0.64
NLP 1008	2.90 max	2.54 max	2.10 max	1.3 ref	0.5±0.1	2.54	1.27	1.00
NLP 1210	3.60 max	2.90 max	2.50 max	1.1 ref	0.5±0.1	2.80	2.00	1.20

■ Package:

TYPE	NLP 0603	NLP 1008	NLP 1210
Q'TY / Reel	4000	2000	2000

- Operating temperature range from -25°C to 105°C.
 Storage Temperature: -10°C to +40°C, 70% RH max.

■ Specifications

Inductance			NLP 1008				
			Q	Test Frequency	SRF	DC Resistance	Rated Current
Code	uH	Tolerance	(Min)	(L, Q) MHz	(MHz) Min	(Ω) Max	(mA) Max
R22	0.22	J,K	35	25.2 / 25.2	800	0.15	2400
R47	0.47	K	35	25.2 / 25.2	460	0.20	1100
R82	0.82	J,K	35	25.2 / 25.2	360	0.35	1000
1R0	1.0	K	32	7.96 / 7.96	340	0.34	900
1R2	1.2	J,K	25	7.96 / 7.96	300	0.25	860
1R5	1.5	J,K	32	7.96 / 7.96	230	0.42	740
1R8	1.8	J,K	27	7.96 / 7.96	180	0.45	720
2R2	2.2	J,K	27	7.96 / 7.96	140	0.50	700
2R7	2.7	J,K	27	7.96 / 7.96	130	0.55	560
3R3	3.3	J,K	27	7.96 / 7.96	125	0.60	540
3R9	3.9	J,K	27	7.96 / 7.96	100	0.60	480
4R7	4.7	J,K	30	7.96 / 7.96	90	0.90	400
5R6	5.6	J,K	27	7.96 / 7.96	60	1.00	400
6R8	6.8	J,K	27	7.96 / 7.96	60	1.05	420
8R2	8.2	J,K	25	7.96 / 7.96	55	1.20	380
100	10	J,K	23	2.52 / 2.52	55	1.55	240
120	12	J,K	23	2.52 / 2.52	36	2.10	220
150	15	J,K	23	2.52 / 2.52	36	2.38	200
180	18	J,K	23	2.52 / 2.52	32	2.50	180
220	22	J,K	23	2.52 / 2.52	29	2.92	180
330	33	J,K	23	2.52 / 2.52	21	4.10	140
470	47	J,K	23	2.52 / 2.52	17	7.80	100
101	100	J,K	13	1.0 / 1.0	4	13.20	100
221	220	J,K	13	1.0 / 1.0	3	26.50	60
331	330	J,K	13	1.0 / 1.0	2	32.50	50

■ Notes

1. Tolerance: J(± 5%), K(± 10%)
2. L, Q, SRF : Agilent/HP E4991A+ Agilent/HP16197A
(The electrical specification test by the smallest gap position) or HP16193A
3. Rdc : DIGITAL MILLIOHM METER Chroma 16502, or equivalent.
4. Idc for Inductance drop 10% from its value without current.