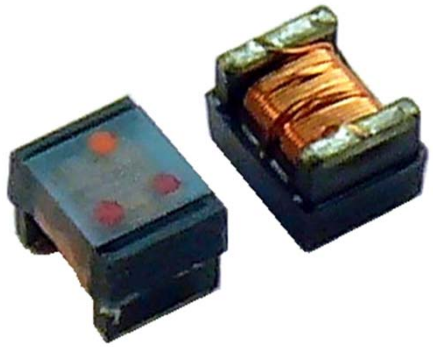
High-Freq Wound Chip Signal Line NLF Series



■ Features:

- Utilizing a miniaturized winding structure
- These products provide high Q characteristics
- Resin-coated surface enables excellent mounting
- Low DC resistance design is ideal for low loss,
- Precision inductance tolerance is available

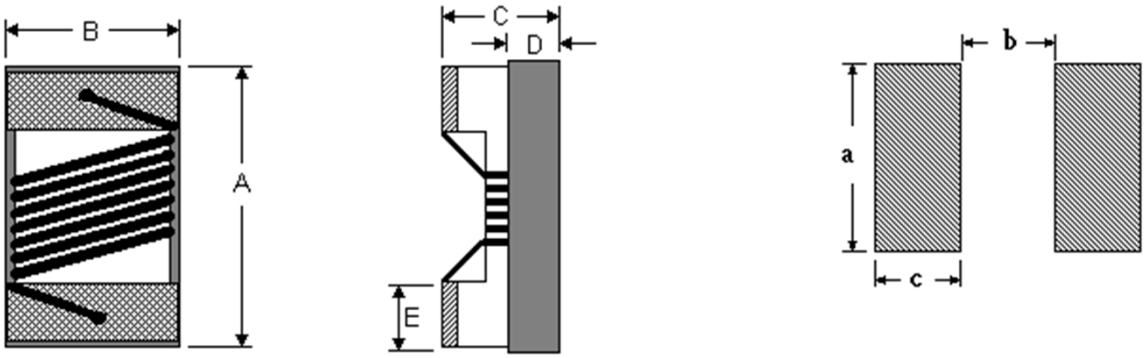
■ Applications:

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

■ Parts code:

NLF 0805	—	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
NLF 0805	2.40 max	1.65 max	1.30 max	0.65 ref	0.44	1.78	0.76	1.00
NLF 1008	2.90 max	2.54 max	2.10 max	1.3 ref	0.5±0.1	2.54	1.27	1.00
NLF 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	NLF 0805	NLF 1008	NLF 1008
Q'TY / Reel	2000	2000	2000

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

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FLIC Technology Co.,Ltd.

High-Freq Wound Chip Signal Line NLF 1008

■ Specifications

Inductance			NLF 1008				
			Q	Test Frequency	SRF	DC Resistance	Rated Current
Code	uH	Tolertance	(Min)	(L , Q) MHz	(MHz) Min	(Ω) Max	(mA) Max
R18	0.18	J,K	30	25.2 / 25.2	930	0.30	960
R20	0.20	J,K	30	25.2 / 25.2	735	0.30	960
R22	0.22	J,K	27	25.2 / 25.2	750	0.40	880
R33	0.33	J,K	30	25.2 / 25.2	600	0.42	900
R39	0.39	J,K	30	25.2 / 25.2	480	0.45	920
R56	0.56	J,K	30	25.2 / 25.2	460	0.55	900
R62	0.62	J,K	30	25.2 / 25.2	460	0.55	900
R68	0.68	J,K	30	25.2 / 25.2	420	0.55	880
R75	0.75	J,K	30	25.2 / 25.2	420	0.65	880
R82	0.82	J,K	30	25.2 / 25.2	380	0.65	840
R91	0.91	J,K	30	25.2 / 25.2	400	0.65	840
1R0	1.0	J,K	25	7.96 / 7.96	300	0.60	800
1R2	1.2	J,K	25	7.96 / 7.96	280	0.74	800
1R5	1.5	J,K	25	7.96 / 7.96	245	0.85	780
1R8	1.8	J,K	25	7.96 / 7.96	240	0.92	780
2R2	2.2	J,K	25	7.96 / 7.96	205	1.10	760
2R7	2.7	J,K	25	7.96 / 7.96	187	1.22	760
3R3	3.3	J,K	25	7.96 / 7.96	165	1.37	740
3R9	3.9	J,K	25	7.96 / 7.96	144	1.66	700
4R7	4.7	J,K	25	7.96 / 7.96	110	1.68	660
5R6	5.6	J,K	25	7.96 / 7.96	88	1.75	640
6R8	6.8	J,K	25	7.96 / 7.96	70	1.85	640
8R2	8.2	J,K	25	7.96 / 7.96	57	2.00	600
100	10	J,K	15	2.52 / 2.52	55	2.32	600
120	12	J,K	15	2.52 / 2.52	52	2.99	560
150	15	J,K	15	2.52 / 2.52	49	3.42	480
180	18	J,K	15	2.52 / 2.52	48	4.65	420
220	22	J,K	15	2.52 / 2.52	25	5.12	420
270	27	J,K	15	2.52 / 2.52	23	5.76	420
330	33	J,K	15	2.52 / 2.52	17	6.44	400
390	39	J,K	15	2.52 / 2.52	15	6.85	380
470	47	J,K	14	2.52 / 2.52	13	9.94	260
560	56	J,K	14	2.52 / 2.52	10	10.70	280
680	68	J,K	14	2.52 / 2.52	8	12.80	260
820	82	J,K	14	2.52 / 2.52	8	18.30	240
101	100	J,K	8	1.0 / 1.0	7	19.60	200

■ 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.

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