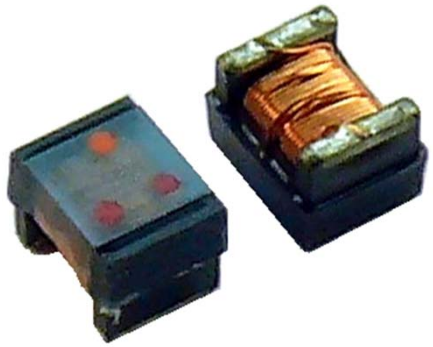
High-Freq Wound Chip Signal Line NLF Series



■ 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

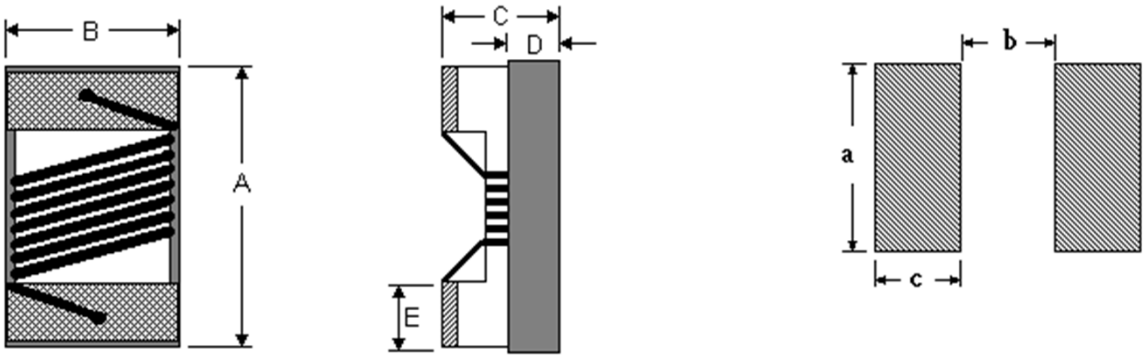
■ Applications:

- 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 0805

■ Specifications

Inductance			NLF 0805				
			Q	Test Frequency	SRF	DC Resistance	Rated Current
Code	uH	Tolertance	(Min)	(L , Q) MHz	(MHz) Min	(Ω) Max	(mA) Max
R11	0.11	K	25	25.2 / 25.2	1200	0.05	2000
R12	0.12	J,K	25	25.2 / 25.2	1000	0.18	1500
R15	0.15	J,K	25	25.2 / 25.2	1000	0.18	1400
R18	0.18	J,K	30	25.2 / 25.2	1000	0.20	1400
R22	0.22	J,K	30	25.2 / 25.2	830	0.25	1350
R27	0.27	J,K	30	25.2 / 25.2	800	0.38	1300
R33	0.33	J,K	30	25.2 / 25.2	750	0.35	1200
R39	0.39	J,K	30	25.2 / 25.2	700	0.35	1160
R47	0.47	J,K	30	25.2 / 25.2	690	0.40	1100
R56	0.56	J,K	30	25.2 / 25.2	640	0.40	1040
R62	0.62	J,K	30	25.2 / 25.2	640	0.45	980
R68	0.68	J,K	30	25.2 / 25.2	510	0.50	900
R82	0.82	J,K	30	25.2 / 25.2	500	0.50	900
R91	0.91	J,K	30	25.2 / 25.2	500	0.55	900
1R0	1.0	J,K	20	7.96 / 7.96	470	0.50	840
1R2	1.2	J,K	20	7.96 / 7.96	400	0.75	800
1R5	1.5	J,K	25	7.96 / 7.96	400	1.00	720
1R8	1.8	J,K	25	7.96 / 7.96	230	1.00	660
2R2	2.2	J,K	25	7.96 / 7.96	200	1.05	600
2R7	2.7	J,K	25	7.96 / 7.96	130	1.18	500
3R3	3.3	J,K	25	7.96 / 7.96	160	1.26	480
3R9	3.9	J,K	25	7.96 / 7.96	130	1.75	440
4R7	4.7	J,K	25	7.96 / 7.96	120	1.87	390
5R6	5.6	J,K	25	7.96 / 7.96	90	2.00	340
6R8	6.8	J,K	25	7.96 / 7.96	55	2.15	300
8R2	8.2	J,K	25	7.96/7.96	40	2.37	280
100	10	J,K	16	2.52 / 2.52	40	2.55	260
120	12	J,K	16	2.52 / 2.52	37	2.80	220
150	15	J,K	16	2.52 / 2.52	30	3.80	200
180	18	J,K	16	2.52 / 2.52	23	4.48	180
220	22	J,K	16	2.52 / 2.52	20	6.30	160
270	27	J,K	16	2.52 / 2.52	19	6.85	140
330	33	J,K	16	2.52 / 2.52	18	7.60	120
390	39	J,K	15	2.52 / 2.52	16	8.20	100

■ 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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