



恒忻企業股份有限公司(EASY MAGNET CORP.)

SPECIFICATION FOR APPROVAL

CUSTOMER	:	
PART NO.	:	
REV. NO.	:	
DESCRIPTION	:	Wound Chip Inductor
EMC NO.	:	NL SERIES
REV. NO.	:	1.0
DOCUMENT NO.	:	
ISSUE DATE	:	2007.01.31

CUSTOMER SIGNATURE		
APPROVED	CHECKED	INSPECTED

CHINA (DONG GUAN) FACTORY: TAIWAN OFFICE:
 No.8 INDUSTRIAL NORTH WAY,178 12F-7,No.79,SEC.1,HSIN TAI WU RD.
 INDUSTRIAL AREA,ZUFOLING ADMINISTRIVE, HSI-CHIN,TAIPEI HSIEN,TAIWAN
 TANGXIA,DONG GUAN,KWANG TUNG TEL:886-2-2698-9699
 TEL:86-769-7915567~9 FAX:886-2-2698-9399
 FAX:86-769-7915566 <http://www.easymagnet.com.tw>

CHINA (SU ZHOU) FACTORY:
 No.2088 PANGJING ROAD,ECONOMIC
 DEVELOPMENT ZONE,WUJIANG CITY,
 JIANGSU
 TEL:86-512-63430335
 FAX:86-512-63430368

APPROVED	CHECKED	PREPARED
FRANK	LINDA	彭繼湘

SAMPLE MADE IN CHINA
*Samples meet RoHS and
 Lead-free requirement*



Wound Chip Inductor -NL series

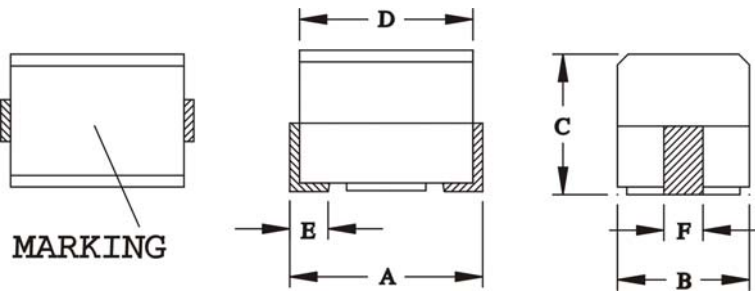


FEATURES

- ◆ Resistant to mechanical shocks and pressures
- ◆ Accurate dimensions for automatically surface mounted
- ◆ This series is low resistance and high current, suitable for power line applications

APPLICATIONS

- ◆ VCRs, video cameras
- ◆ Automobile audio systems
- ◆ Computer products and peripherals
- ◆ Liquid crystal television, portable VCRs

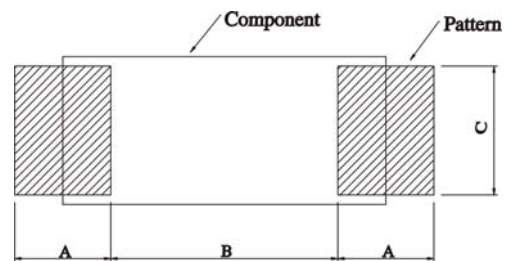


DIMENSIONS (mm)

No.	Part No.	Size (mm)					
		A	B	C	D	E	F
1	NL 252018	2.5 ± 0.20	2.0 ± 0.20	1.8 ± 0.20	2.2 ± 0.20	0.50	1.2
2	NL 322522	3.2 ± 0.30	2.5 ± 0.20	2.2 ± 0.20	2.9 ± 0.20	0.60	1.0
3	NL 453232	4.5 ± 0.30	3.2 ± 0.20	3.2 ± 0.20	4.2 ± 0.20	1.00	1.2

RECOMMENDED PATTERN

Part No.	A	B	C
NL 252018	1.0	1.5	1.5
NL 322522	1.0	2.0	2.0
NL 453232	1.5	3.0	2.8



PACKAGE

Type	NL 252018	NL 322522	NL 453232
Q'TY/Reel	2,000	2,000	500



Wound Chip Inductor -NL 252018

No.	Part No.	Inductance (μ H)	Q Min.	Test Frequency (MHz)	SRF Min. (MHz)	RDC Max. (Ω)	IDC Max. (mA)
1	NL 252018-R22□	0.22	25	25.2	230	0.50	430
2	NL 252018-R27□	0.27	25	25.2	210	0.55	420
3	NL 252018-R33□	0.33	25	25.2	190	0.60	400
4	NL 252018-R39□	0.39	25	25.2	175	0.65	375
5	NL 252018-R47□	0.47	25	25.2	160	0.68	350
6	NL 252018-R56□	0.56	25	25.2	150	0.75	325
7	NL 252018-R68□	0.68	25	25.2	135	0.85	300
8	NL 252018-R82□	0.82	25	25.2	125	1.00	260
9	NL 252018-1R0□	1.00	30	7.96	115	1.11	245
10	NL 252018-1R2□	1.20	30	7.96	100	1.20	230
11	NL 252018-1R5□	1.50	30	7.96	90	1.30	220
12	NL 252018-1R8□	1.80	30	7.96	85	1.45	210
13	NL 252018-2R2□	2.20	30	7.96	75	1.55	200
14	NL 252018-2R7□	2.70	30	7.96	55	1.70	195
15	NL 252018-3R3□	3.30	30	7.96	48	1.90	185
16	NL 252018-3R9□	3.90	30	7.96	43	2.10	180
17	NL 252018-4R7□	4.70	30	7.96	40	2.30	175
18	NL 252018-5R6□	5.60	25	7.96	36	2.50	170
19	NL 252018-6R8□	6.80	25	7.96	33	2.70	165
20	NL 252018-8R2□	8.20	25	7.96	30	3.05	160
21	NL 252018-100□	10	25	2.52	27	3.50	155
22	NL 252018-120□	12	25	2.52	23	3.80	150
23	NL 252018-150□	15	25	2.52	20	4.40	140
24	NL 252018-180□	18	25	2.52	18	4.80	130
25	NL 252018-220□	22	25	2.52	17	5.50	125
26	NL 252018-270□	27	25	2.52	16	6.30	115
27	NL 252018-330□	33	25	2.52	15	7.10	110
28	NL 252018-390□	39	20	2.52	14	9.50	90
29	NL 252018-470□	47	20	2.52	13	11.1	80
30	NL 252018-560□	56	20	2.52	12	12.1	75
31	NL 252018-680□	68	20	2.52	11	16.6	70
32	NL 252018-820□	82	20	2.52	10	19.0	66
33	NL 252018-101□	100	15	0.796	9	21.0	60

Tolerance : J = \pm 5% ; K = \pm 10% ; M = \pm 20% , K tolerance is standard.



Wound Chip Inductor -NL 322522

No.	Part No.	Inductance (μ H)	Q Min.	Test Frequency (MHz)	SRF Min. (MHz)	RDC Max. (Ω)	IDC Max. (mA)
1	NL 322522-R12□	0.12	30	25.2	500	0.22	450
2	NL 322522-R15□	0.15	30	25.2	450	0.25	450
3	NL 322522-R18□	0.18	30	25.2	400	0.28	450
4	NL 322522-R22□	0.22	30	25.2	350	0.32	450
5	NL 322522-R27□	0.27	30	25.2	320	0.36	450
6	NL 322522-R33□	0.33	30	25.2	300	0.40	450
7	NL 322522-R39□	0.39	30	25.2	250	0.45	450
8	NL 322522-R47□	0.47	30	25.2	220	0.50	450
9	NL 322522-R56□	0.56	30	25.2	180	0.55	450
10	NL 322522-R68□	0.68	30	25.2	160	0.60	450
11	NL 322522-R82□	0.82	30	25.2	140	0.65	450
12	NL 322522-1R0□	1.00	30	7.96	120	0.70	400
13	NL 322522-1R2□	1.20	30	7.96	100	0.75	390
14	NL 322522-1R5□	1.50	30	7.96	85	0.85	370
15	NL 322522-1R8□	1.80	30	7.96	80	0.90	350
16	NL 322522-2R2□	2.20	30	7.96	75	1.00	320
17	NL 322522-2R7□	2.70	30	7.96	70	1.10	290
18	NL 322522-3R3□	3.30	30	7.96	60	1.20	260
19	NL 322522-3R9□	3.90	30	7.96	55	1.30	250
20	NL 322522-4R7□	4.70	30	7.96	50	1.50	220
21	NL 322522-5R6□	5.60	30	7.96	47	1.60	200
22	NL 322522-6R8□	6.80	30	7.96	43	1.80	180
23	NL 322522-8R2□	8.20	30	7.96	40	2.00	170
24	NL 322522-100□	10	30	2.52	36	2.10	150
25	NL 322522-120□	12	30	2.52	33	2.50	140
26	NL 322522-150□	15	30	2.52	28	2.80	130
27	NL 322522-180□	18	30	2.52	25	3.30	120
28	NL 322522-220□	22	30	2.52	23	3.70	110
29	NL 322522-270□	27	30	2.52	18	5.00	80
30	NL 322522-330□	33	30	2.52	17	5.60	70
31	NL 322522-390□	39	30	2.52	16	6.40	65
32	NL 322522-470□	47	30	2.52	15	7.00	60
33	NL 322522-560□	56	30	2.52	13	8.00	55
34	NL 322522-680□	68	30	2.52	12	9.00	50
35	NL 322522-820□	82	30	2.52	11	10.0	45
36	NL 322522-101□	100	20	0.796	10	11.0	40

Tolerance : J = \pm 5% ; K = \pm 10% ; M = \pm 20% , K tolerance is standard.



Wound Chip Inductor -NL 453232

No.	Part No.	Inductance (μ H)	Q Min.	Test Frequency (MHz)	SRF Min. (MHz)	RDC Max. (Ω)	IDC Max. (mA)
1	NL 453232-R10□	0.10	35	25.2	300	0.20	800
2	NL 453232-R12□	0.12	35	25.2	280	0.20	770
3	NL 453232-R15□	0.15	35	25.2	250	0.20	730
4	NL 453232-R18□	0.18	35	25.2	200	0.20	700
5	NL 453232-R22□	0.22	40	25.2	220	0.30	665
6	NL 453232-R27□	0.27	40	25.2	180	0.30	635
7	NL 453232-R33□	0.33	40	25.2	165	0.30	605
8	NL 453232-R39□	0.39	40	25.2	150	0.30	575
9	NL 453232-R47□	0.47	40	25.2	145	0.30	545
10	NL 453232-R56□	0.56	40	25.2	140	0.40	520
11	NL 453232-R68□	0.68	40	25.2	135	0.40	500
12	NL 453232-R82□	0.82	40	25.2	130	0.50	475
13	NL 453232-1R0□	1.00	50	7.96	100	0.50	450
14	NL 453232-1R2□	1.20	50	7.96	80	0.60	430
15	NL 453232-1R5□	1.50	50	7.96	70	0.60	410
16	NL 453232-1R8□	1.80	50	7.96	60	0.70	390
17	NL 453232-2R2□	2.20	50	7.96	65	0.70	380
18	NL 453232-2R7□	2.70	50	7.96	50	0.80	370
19	NL 453232-3R3□	3.30	50	7.96	45	0.80	355
20	NL 453232-3R9□	3.90	50	7.96	40	0.90	330
21	NL 453232-4R7□	4.70	50	7.96	35	1.00	315
22	NL 453232-5R6□	5.60	50	7.96	33	1.10	300
23	NL 453232-6R8□	6.80	50	7.96	27	1.20	285
24	NL 453232-8R2□	8.20	50	7.96	25	1.40	270
25	NL 453232-100□	10	50	2.52	20	1.60	250
26	NL 453232-120□	12	50	2.52	18	2.00	225
27	NL 453232-150□	15	50	2.52	17	2.50	200
28	NL 453232-180□	18	50	2.52	15	2.80	190
29	NL 453232-220□	22	50	2.52	13	3.20	180
30	NL 453232-270□	27	50	2.52	12	3.60	170
31	NL 453232-330□	33	50	2.52	11	4.00	160
32	NL 453232-390□	39	50	2.52	10	4.50	150
33	NL 453232-470□	47	50	2.52	10	5.00	140
34	NL 453232-560□	56	50	2.52	9.0	5.50	135
35	NL 453232-680□	68	50	2.52	9.0	6.00	130
36	NL 453232-820□	82	50	2.52	8.0	7.00	120
37	NL 453232-101□	100	40	0.796	8.0	8.00	110
38	NL 453232-121□	120	40	0.796	6.0	8.00	110
39	NL 453232-151□	150	40	0.796	5.0	9.00	105
40	NL 453232-181□	180	40	0.796	5.0	9.50	102
41	NL 453232-221□	220	40	0.796	4.0	10.0	100
42	NL 453232-271□	270	40	0.796	4.0	12.0	92
43	NL 453232-331□	330	40	0.796	3.5	14.0	85
44	NL 453232-391□	390	40	0.796	3.0	18.0	80
45	NL 453232-471□	470	40	0.796	3.0	26.0	62
46	NL 453232-561□	560	30	0.796	3.0	30.0	50
47	NL 453232-681□	680	30	0.796	3.0	30.0	50

Tolerance : J = \pm 5% ; K = \pm 10% ; M = \pm 20% , K tolerance is standard.