

- Features:
- Wirewound on ferrite core design
 - Shows high reliability under mechanical and environmental stress
 - Robust termination for outstanding mechanical strength
 - Provides exceptional Q values characteristics
 - High current option available
 - Contact factory for inductance values outside those listed in the datasheet
 - Find Frequency Curves, Environmental and Packaging Specifications in related supplemental documents



- Applications:
- Micro televisions
 - Liquid crystal televisions
 - Video Cameras
 - Portable VCRs
 - Car Radios
 - Mobile telephones
 - Radio and other electronic devices

Inductance and Current Ranges		
Type	Inductance (μ H)	Current Ranges (mA)
NL05	0.11 ~ 39	2000 ~ 100
NL08	0.12 ~ 330	2600 ~ 80
NL10	0.18 ~ 150	770 ~ 65
NL12	0.18 ~ 820	1050 ~ 30
NL20	1 ~ 1000	1800 ~ 25

How to Order

1	2	3	4	5	6	7	8	9	10
N	L	0	5	K	T	C	R	1	0

Product Series	
NL	Wirewound Inductor

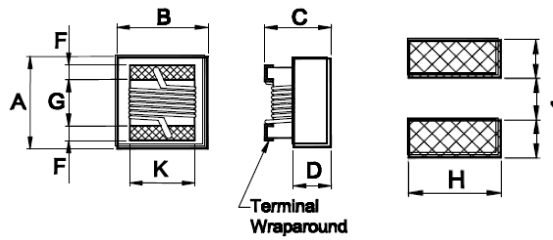
Code	EIA
05	0805
08	1008
10	1210
12	1812
20	2220

Tolerance	
Code	Tol
J	±5%
K	±10%
M	±20%

Packaging			
Code	Description	Size	Quantity
T	Tape and Reel	05, 08, 10	2,000
		12	500
		20	1,000

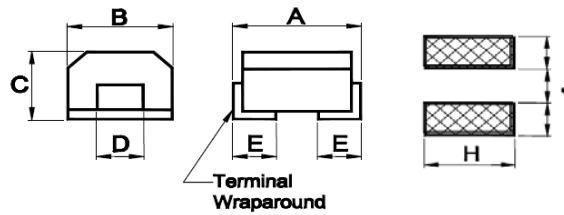
Design	
Code	Design
	Standard
C	High Current
L	Low Profile

Inductance	
Code	Inductance
R12	120nH
R27	270nH
2R7	2700nH
100	10uH



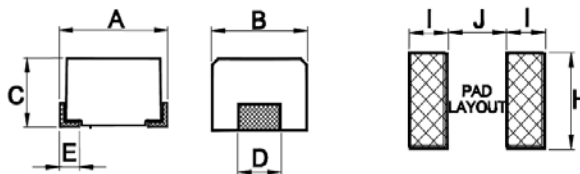
Mechanical Specifications - NL05(L), NL08(C)

Type/Code	Size	A	B	C	D	F	G	H	I	J	K	Unit
NL05	0805	0.094 max 2.40 max	0.067 max 1.71 max	0.057 max 1.45 max	0.026 0.65	0.017 0.44	0.040 1.02	0.070 1.78	0.040 1.02	0.030 0.76	0.050 1.27	inches mm
NL05(L)	0805	0.090 max 2.29 max	0.068 max 1.73 max	0.039 max 1.00 max	0.020 0.51	0.017 0.44	0.040 1.02	0.070 1.78	0.040 1.02	0.030 0.76	0.050 1.27	inches mm
NL08	1008	0.115 max 2.92 max	0.110 max 2.79 max	0.083 max 2.10 max	0.047 1.20	0.018 0.45	0.060 1.52	0.100 2.54	0.040 1.02	0.050 1.27	0.080 2.03	inches mm
NL08(C)	1008	0.115 max 2.92 max	0.110 max 2.79 max	0.083 max 2.10 max	0.051 1.30	0.018 0.45	0.060 1.52	0.100 2.54	0.040 1.02	0.050 1.27	0.080 2.03	inches mm



Mechanical Specifications - NL10, NL12(C), NL20

Type/Code	Size	A	B	C	D	E	H	I	J	Unit
NL10	1210	0.126 ± 0.016 3.20 ± 0.40	0.098 ± 0.008 2.50 ± 0.20	0.087 ± 0.008 2.20 ± 0.20	0.039 ± 0.008 1.00 ± 0.20	0.024 - 0 / + 0.012 0.60 - 0 / + 0.30	0.055 1.40	0.039 1.00	0.071 1.80	inches mm
NL12	1812	0.177 ± 0.012 4.50 ± 0.30	0.126 ± 0.008 3.20 ± 0.20	0.126 ± 0.008 3.20 ± 0.20	0.047 1.20	0.039 - 0 / + 0.012 1.00 - 0 / + 0.30	0.063 1.60	0.059 1.50	0.087 2.20	inches mm
NL12(C)	1812	0.177 ± 0.012 4.50 ± 0.30	0.126 ± 0.008 3.20 ± 0.20	0.126 ± 0.008 3.20 ± 0.20	0.047 1.20	0.039 - 0 / + 0.012 1.00 - 0 / + 0.30	0.063 1.60	0.059 1.50	0.087 2.20	inches mm
NL20	2220	0.220 ± 0.012 5.60 ± 0.30	0.197 ± 0.008 5.00 ± 0.20	0.157 ± 0.012 4.00 ± 0.30	0.157 ± 0.008 4.00 ± 0.20	0.028 ± 0.008 0.70 ± 0.20	0.177 4.50	0.079 2.00	0.157 4.00	inches mm



Mechanical Specifications - NL20(C)

Type/Code	Size	A	B	C	D	E	H	I	J	Unit
NL20(C)	2220	0.220 ± 0.012 5.60 ± 0.30	0.197 ± 0.008 5.00 ± 0.20	0.157 ± 0.012 4.00 ± 0.30	0.157 ± 0.008 4.00 ± 0.20	0.028 ± 0.008 0.70 ± 0.20	0.177 4.50	0.079 2.00	0.157 4.00	inches mm

Electrical Specifications – NL05 Standard

Part Number	Inductance (μH)	Tolerance (%)	Test Freq (MHz)	Q Min	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max
NL05...R11	0.11	±10%	25.20	25	1200	0.05	2000
NL05... R12	0.12	±5, ±10%	25.20	20	700	0.18	1100
NL05... R15	0.15	±5, ±10%	25.20	20	900	0.18	1100
NL05... R18	0.18	±5, ±10%	25.20	20	600	0.20	800
NL05... R22	0.22	±5, ±10%	25.20	20	550	0.25	700
NL05... R27	0.27	±5, ±10%	25.20	20	550	0.38	700
NL05... R33	0.33	±5, ±10%	25.20	20	550	0.35	650
NL05... R39	0.39	±5, ±10%	25.20	20	420	0.35	600
NL05... R47	0.47	±5, ±10%	25.20	20	350	0.45	600
NL05... R56	0.56	±5, ±10%	25.20	20	300	0.45	550
NL05... R62	0.62	±5, ±10%	25.20	30	640	0.45	980
NL05... R68	0.68	±5, ±10%	25.20	20	300	0.60	500
NL05... R82	0.82	±5, ±10%	25.20	20	300	0.55	500
NL05... R91	0.91	±5, ±10%	25.20	30	500	0.55	900
NL05... 1R0	1.0	±5, ±10%	7.96	15	280	0.80	450
NL05... 1R2	1.2	±5, ±10%	7.96	15	280	0.90	400
NL05... 1R5	1.5	±5, ±10%	7.96	15	250	1.05	350
NL05... 1R8	1.8	±5, ±10%	7.96	15	120	1.00	350
NL05... 2R2	2.2	±5, ±10%	7.96	15	110	1.10	320
NL05... 2R7	2.7	±5, ±10%	7.96	15	70	1.20	320
NL05... 3R3	3.3	±5, ±10%	7.96	15	60	1.50	300
NL05... 3R9	3.9	±5, ±10%	7.96	15	55	1.75	300
NL05... 4R7	4.7	±5, ±10%	7.96	15	45	2.10	200
NL05... 5R6	5.6	±5, ±10%	7.96	15	40	2.30	250
NL05... 6R8	6.8	±5, ±10%	7.96	15	36	2.70	200
NL05... 8R2	8.2	±5, ±10%	7.96	15	33	3.30	180
NL05... 100	10	±5, ±10%	2.52	10	30	4.50	180
NL05... 120	12	±5, ±10%	2.52	16	37	2.80	220
NL05... 150	15	±5, ±10%	2.52	16	30	3.80	200
NL05... 180	18	±5, ±10%	2.52	16	23	4.48	180
NL05... 220	22	±5, ±10%	2.52	16	20	6.30	160
NL05... 270	27	±5, ±10%	2.52	16	19	6.85	140
NL05... 330	33	±5, ±10%	2.52	16	18	7.60	120
NL05... 390	39	±5, ±10%	2.52	15	16	8.20	100

Electrical Specifications – NL05(L) Low Profile

Part Number	Inductance (μH)	Tolerance (%)	Test Freq (MHz)	Q Min	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max
NL05... L1R0	1.0	±5, ±10%	L:7.96 / Q:25.2	15	115	0.90	450
NL05... L3R3	3.3	±5, ±10%	7.96	13	70	1.40	450
NL05... L4R7	4.7	±5, ±10%	7.96	15	65	1.90	400
NL05... L6R8	6.8	±5, ±10%	7.96	15	41	2.40	400
NL05... L100	10.0	±5, ±10%	7.96	14	31	2.70	400
NL05... L150	15.0	±5, ±10%	7.96	12	28	5.00	300
NL05... L220	22.0	±5, ±10%	7.96	10	25	6.00	250

Electrical Specifications – NL08 Standard							
Part Number	Inductance (μ H)	Tolerance (%)	Test Freq (MHz)	Q Typical	SRF (MHz) Typical	DCR (Ω) Max	IDC (mA) Max
NL08... R12	0.12	$\pm 5, \pm 10\%$	25.20	26	800	0.30	1000
NL08... R18	0.18	$\pm 5, \pm 10\%$	25.20	30	600	0.30	960
NL08... R20	0.20	$\pm 5, \pm 10\%$	25.20	30	735	0.30	960
NL08... R22	0.22	$\pm 5, \pm 10\%$	25.20	27	600	0.40	880
NL08... R27	0.27	$\pm 5, \pm 10\%$	25.20	29	425	0.42	900
NL08... R33	0.33	$\pm 5, \pm 10\%$	25.20	30	400	0.42	900
NL08... R39	0.39	$\pm 5, \pm 10\%$	25.20	30	375	0.45	700
NL08... R47	0.47	$\pm 5, \pm 10\%$	25.20	30	350	0.50	900
NL08... R56	0.56	$\pm 5, \pm 10\%$	25.20	30	325	0.55	850
NL08... R62	0.62	$\pm 5, \pm 10\%$	25.20	30	460	0.55	900
NL08... R68	0.68	$\pm 5, \pm 10\%$	25.20	30	300	0.55	800
NL08... R75	0.75	$\pm 5, \pm 10\%$	25.20	30	420	0.65	880
NL08... R82	0.82	$\pm 5, \pm 10\%$	25.20	30	260	0.65	700
NL08... R91	0.91	$\pm 5, \pm 10\%$	25.20	30	400	0.65	840
NL08... 1R0	1.00	$\pm 5, \pm 10\%$	7.96	25	245	0.60	600
NL08... 1R2	1.20	$\pm 5, \pm 10\%$	7.96	25	230	0.74	600
NL08... 1R5	1.50	$\pm 5, \pm 10\%$	7.96	25	182	0.85	550
NL08... 1R8	1.80	$\pm 5, \pm 10\%$	7.96	25	135	0.92	500
NL08... 2R2	2.20	$\pm 5, \pm 10\%$	7.96	25	105	1.10	500
NL08... 2R7	2.70	$\pm 5, \pm 10\%$	7.96	25	70	1.22	350
NL08... 3R3	3.30	$\pm 5, \pm 10\%$	7.96	25	55	1.37	350
NL08... 3R9	3.90	$\pm 5, \pm 10\%$	7.96	25	48	1.66	310
NL08... 4R7	4.70	$\pm 5, \pm 10\%$	7.96	25	43	1.68	300
NL08... 5R6	5.60	$\pm 5, \pm 10\%$	7.96	25	42	1.75	300
NL08... 6R8	6.80	$\pm 5, \pm 10\%$	7.96	25	39	1.85	300
NL08... 8R2	8.20	$\pm 5, \pm 10\%$	7.96	25	36	2.00	250
NL08... 100	10.00	$\pm 5, \pm 10\%$	2.52	20	33	2.32	250
NL08... 120	12.00	$\pm 5, \pm 10\%$	2.52	15	28	2.99	200
NL08... 150	15.00	$\pm 5, \pm 10\%$	2.52	15	24	3.42	200
NL08... 180	18.00	$\pm 5, \pm 10\%$	2.52	15	20	4.65	180
NL08... 220	22.00	$\pm 5, \pm 10\%$	2.52	15	18	5.12	180
NL08... 270	27.00	$\pm 5, \pm 10\%$	2.52	15	17	5.76	160
NL08... 330	33.00	$\pm 5, \pm 10\%$	2.52	15	16	6.44	120
NL08... 390	39.00	$\pm 5, \pm 10\%$	2.52	15	15	6.85	120
NL08... 470	47.00	$\pm 5, \pm 10\%$	2.52	14	13	9.94	110
NL08... 560	56.00	$\pm 5, \pm 10\%$	2.52	14	10	10.70	90
NL08... 680	68.00	$\pm 5, \pm 10\%$	2.52	14	8	12.80	90
NL08... 820	82.00	$\pm 5, \pm 10\%$	2.52	14	8	18.30	80
NL08... 101	100.00	$\pm 5, \pm 10\%$	1.00	8	7	19.60	120

Electrical Specifications – NL08(C) High Current

Part Number	Inductance (μ H)	Tolerance (%)	Test Freq (MHz)	Q Typical	SRF (MHz) Typical	DCR (Ω) Max	IDC (mA) Max
NL08... CR22	0.22	$\pm 5, \pm 10\%$	25.20	35	800	0.15	2600
NL08... CR47	0.47	$\pm 5, \pm 10\%$	25.20	35	460	0.20	2400
NL08... CR68	0.68	$\pm 5, \pm 10\%$	25.20	35	400	0.30	2200
NL08... CR82	0.82	$\pm 5, \pm 10\%$	25.20	35	360	0.35	1800
NL08... C1R0	1.00	$\pm 5, \pm 10\%$	7.96	22	245	0.35	800
NL08... C1R2	1.20	$\pm 5, \pm 10\%$	7.96	25	230	0.40	550
NL08... C1R5	1.50	$\pm 5, \pm 10\%$	7.96	25	182	0.45	550
NL08... C1R8	1.80	$\pm 5, \pm 10\%$	7.96	25	135	0.55	550
NL08... C2R2	2.20	$\pm 5, \pm 10\%$	7.96	22	105	0.60	500
NL08... C2R7	2.70	$\pm 5, \pm 10\%$	7.96	25	70	0.70	500
NL08... C3R3	3.30	$\pm 5, \pm 10\%$	7.96	22	55	0.75	450
NL08... C3R9	3.90	$\pm 5, \pm 10\%$	7.96	25	50	0.80	450
NL08... C4R7	4.70	$\pm 5, \pm 10\%$	7.96	22	45	0.90	400
NL08... C5R6	5.60	$\pm 5, \pm 10\%$	7.96	22	42	1.05	400
NL08... C6R8	6.80	$\pm 5, \pm 10\%$	7.96	22	40	1.05	400
NL08... C8R2	8.20	$\pm 5, \pm 10\%$	7.96	22	36	1.30	350
NL08... C100	10	$\pm 5, \pm 10\%$	2.52	20	35	1.55	300
NL08... C120	12	$\pm 5, \pm 10\%$	2.52	20	30	2.10	280
NL08... C150	15	$\pm 5, \pm 10\%$	2.52	20	24	2.38	250
NL08... C180	18	$\pm 5, \pm 10\%$	2.52	20	20	2.60	200
NL08... C220	22	$\pm 5, \pm 10\%$	2.52	20	18	2.92	200
NL08... C330	33	$\pm 5, \pm 10\%$	2.52	20	16	4.10	180
NL08... C470	47	$\pm 5, \pm 10\%$	2.52	23	17	7.80	350
NL08... C101	100	$\pm 5, \pm 10\%$	1.00	13	4	13.20	200
NL08... C221	220	$\pm 5, \pm 10\%$	1.00	13	3	26.50	140
NL08... C331	330	$\pm 5, \pm 10\%$	1.00	13	2	32.50	110

Electrical Specifications – NL10 Standard

Part Number	Inductance (μ H)	Tolerance (%)	Test Freq (MHz)	Q Min	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max
NL10... R18	0.18	$\pm 20\%$	25.20	30	400	0.28	450
NL10... R22	0.22	$\pm 20\%$	25.20	30	350	0.32	450
NL10... R27	0.27	$\pm 20\%$	25.20	30	320	0.36	450
NL10... R33	0.33	$\pm 20\%$	25.20	30	300	0.40	450
NL10... R39	0.39	$\pm 20\%$	25.20	30	250	0.45	450
NL10... R47	0.47	$\pm 20\%$	25.20	30	220	0.50	450
NL10... R56	0.56	$\pm 20\%$	25.20	30	180	0.55	450
NL10... R68	0.68	$\pm 20\%$	25.20	30	160	0.60	450
NL10... R82	0.82	$\pm 20\%$	25.20	30	140	0.65	450
NL10... 1R0	1.00	$\pm 10\%$	7.96	30	120	0.70	400
NL10... 1R2	1.20	$\pm 10\%$	7.96	30	100	0.75	390
NL10... 1R5	1.50	$\pm 10\%$	7.96	30	85	0.85	370
NL10... 1R8	1.80	$\pm 10\%$	7.96	30	80	0.90	350
NL10... 2R2	2.20	$\pm 10\%$	7.96	30	75	1.00	320
NL10... 2R7	2.70	$\pm 10\%$	7.96	30	70	1.10	290
NL10... 3R3	3.30	$\pm 10\%$	7.96	30	60	1.20	260
NL10... 3R9	3.90	$\pm 10\%$	7.96	30	55	1.30	250
NL10... 4R7	4.70	$\pm 10\%$	7.96	30	50	1.50	220
NL10... 5R6	5.60	$\pm 10\%$	7.96	30	45	1.60	200
NL10... 6R8	6.80	$\pm 10\%$	7.96	30	40	1.80	180
NL10... 8R2	8.20	$\pm 10\%$	7.96	30	35	2.00	170

Electrical Specifications – NL10 Standard

Part Number	Inductance (μH)	Tolerance (%)	Test Freq (MHz)	Q Min	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max
NL10... 100	10	±10%	2.52	30	30	2.10	150
NL10... 120	12	±10%	2.52	30	20	2.50	140
NL10... 150	15	±10%	2.52	30	20	2.80	130
NL10... 180	18	±10%	2.52	30	20	3.30	120
NL10... 220	22	±10%	2.52	30	20	3.70	110
NL10... 270	27	±10%	2.52	30	20	5.00	80
NL10... 330	33	±10%	2.52	30	17	5.60	70
NL10... 390	39	±10%	2.52	30	16	6.40	65
NL10... 470	47	±10%	2.52	30	15	7.00	60
NL10... 560	56	±10%	2.52	30	13	8.00	55
NL10... 680	68	±10%	2.52	30	12	9.00	50
NL10... 820	82	±10%	2.52	30	11	10.00	45
NL10... 101	100	±10%	0.796	20	10	10.00	40
NL10... 121	120	±10%	0.796	20	10	11.00	70
NL10... 151	150	±10%	0.796	20	8	15.00	65

Electrical Specifications – NL10(C) High Current

Part Number	Inductance (μH)	Tolerance (%)	Test Freq (MHz)	Q Min.	SRF (MHz) Min.	DCR (Ω) Max	IDC (mA) Max
NL10... C1R0	1.0	±20%	7.96	10	100	0.156	770
NL10... C1R5	1.5	±20%	7.96	10	80	0.195	580
NL10... C2R2	2.2	±20%	7.96	10	65	0.260	480
NL10... C3R3	3.3	±20%	7.96	10	55	0.325	400
NL10... C4R7	4.7	±20%	7.96	10	45	0.520	320
NL10... C6R8	6.8	±20%	7.96	10	35	0.650	280
NL10... C100	10	±10%	2.52	15	28	1.105	220
NL10... C150	15	±10%	2.52	15	25	1.690	180
NL10... C220	22	±10%	2.52	15	20	2.600	145
NL10... C270	27	±10%	2.52	15	17	3.000	125
NL10... C330	33	±10%	2.52	15	15	3.640	115
NL10... C470	47	±10%	2.52	20	13	5.460	105
NL10... C680	68	±10%	2.52	20	10	8.450	85
NL10... C820	82	±10%	2.52	20	9	8.710	80
NL10... C101	100	±10%	0.796	20	8	10.140	75

Electrical Specifications – NL12 Standard

Part Number	Inductance (μ H)	Tolerance (%)	Test Freq (MHz)	Q Min	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max
NL12... R18	0.18	$\pm 20\%$	25.20	30	220	0.24	700
NL12... R22	0.22	$\pm 20\%$	25.20	30	200	0.25	665
NL12... R27	0.27	$\pm 20\%$	25.20	30	180	0.26	635
NL12... R33	0.33	$\pm 20\%$	25.20	30	165	0.28	605
NL12... R39	0.39	$\pm 20\%$	25.20	30	150	0.30	575
NL12... R47	0.47	$\pm 20\%$	25.20	30	145	0.32	545
NL12... R56	0.56	$\pm 20\%$	25.20	30	140	0.36	520
NL12... R68	0.68	$\pm 20\%$	25.20	30	135	0.40	500
NL12... R82	0.82	$\pm 20\%$	25.20	30	130	0.45	475
NL12... 1R0	1.00	$\pm 10\%$	7.96	50	100	0.50	450
NL12... 1R2	1.20	$\pm 10\%$	7.96	50	80	0.55	430
NL12... 1R5	1.50	$\pm 10\%$	7.96	50	70	0.60	410
NL12... 1R8	1.80	$\pm 10\%$	7.96	50	60	0.65	390
NL12... 2R2	2.20	$\pm 10\%$	7.96	50	55	0.70	380
NL12... 2R7	2.70	$\pm 10\%$	7.96	50	50	0.75	370
NL12... 3R3	3.30	$\pm 10\%$	7.96	50	45	0.80	355
NL12... 3R9	3.90	$\pm 10\%$	7.96	50	40	0.90	330
NL12... 4R7	4.70	$\pm 10\%$	7.96	50	35	1.00	315
NL12... 5R6	5.60	$\pm 10\%$	7.96	50	33	1.10	300
NL12... 6R8	6.80	$\pm 10\%$	7.96	50	27	1.20	285
NL12... 8R2	8.20	$\pm 10\%$	7.96	50	25	1.40	270
NL12... 100	10	$\pm 10\%$	2.52	50	20	1.60	250
NL12... 120	12	$\pm 10\%$	2.52	50	18	2.00	225
NL12... 150	15	$\pm 10\%$	2.52	50	17	2.50	200
NL12... 180	18	$\pm 10\%$	2.52	50	15	2.80	190
NL12... 220	22	$\pm 10\%$	2.52	50	13	3.20	180
NL12... 270	27	$\pm 10\%$	2.52	50	12	3.60	170
NL12... 330	33	$\pm 10\%$	2.52	50	11	4.00	160
NL12... 390	39	$\pm 10\%$	2.52	50	10	4.50	150
NL12... 470	47	$\pm 10\%$	2.52	50	10	5.00	140
NL12... 560	56	$\pm 10\%$	2.52	50	9	5.50	135
NL12... 680	68	$\pm 10\%$	2.52	50	9	6.00	130
NL12... 820	82	$\pm 10\%$	2.52	50	8	7.00	120
NL12... 101	100	$\pm 10\%$	0.796	40	8	8.00	110
NL12... 121	120	$\pm 10\%$	0.796	40	6	8.00	110
NL12... 151	150	$\pm 10\%$	0.796	40	5	9.00	105
NL12... 181	180	$\pm 10\%$	0.796	40	5	9.50	102
NL12... 221	220	$\pm 10\%$	0.796	40	4	10.00	100
NL12... 271	270	$\pm 10\%$	0.796	30	4	15.00	92
NL12... 331	330	$\pm 10\%$	0.796	30	3.5	15.00	85
NL12... 391	390	$\pm 10\%$	0.796	30	3	18.00	80
NL12... 471	470	$\pm 10\%$	0.796	30	3	26.00	62
NL12... 561	560	$\pm 10\%$	0.796	30	3	30.00	50
NL12... 681	680	$\pm 10\%$	0.796	30	3	30.00	50
NL12... 821	820	$\pm 10\%$	0.796	30	2.5	43.00	30

Electrical Specifications – NL12(C) High Current

Part Number	Inductance (μH)	Tolerance (%)	Test Freq (MHz)	Q Typical	SRF (MHz) Typical	DCR (Ω) Max	IDC (mA) Max
NL12... C1R0	1.0	±10%	7.96	10	200.0	0.11	1050
NL12... C1R2	1.2	±10%	7.96	10	160.0	0.12	1000
NL12... C1R5	1.5	±10%	7.96	10	130.0	0.15	950
NL12... C1R8	1.8	±10%	7.96	10	100.0	0.16	900
NL12... C2R2	2.2	±10%	7.96	10	80.0	0.18	850
NL12... C2R7	2.7	±10%	7.96	10	60.0	0.20	800
NL12... C3R3	3.3	±10%	7.96	10	45.0	0.22	750
NL12... C3R9	3.9	±10%	7.96	10	40.0	0.24	700
NL12... C4R7	4.7	±10%	7.96	10	35.0	0.27	650
NL12... C5R6	5.6	±10%	7.96	10	30.0	0.30	650
NL12... C6R8	6.8	±10%	7.96	10	28.0	0.35	600
NL12... C8R2	8.2	±10%	7.96	10	25.0	0.40	600
NL12... C100	10	±10%	2.52	10	22.0	0.50	550
NL12... C120	12	±10%	2.52	10	21.0	0.60	500
NL12... C150	15	±10%	2.52	10	20.0	0.70	450
NL12... C180	18	±10%	2.52	10	19.0	0.80	400
NL12... C220	22	±10%	2.52	10	18.0	0.90	370
NL12... C270	27	±10%	2.52	10	16.0	1.20	330
NL12... C330	33	±10%	2.52	10	14.0	1.40	300
NL12... C390	39	±10%	2.52	10	12.0	1.60	280
NL12... C470	47	±10%	2.52	10	11.5	1.90	260
NL12... C560	56	±10%	2.52	10	11.0	2.20	240
NL12... C680	68	±10%	2.52	10	10.0	2.60	220
NL12... C820	82	±10%	2.52	10	9.0	3.50	200
NL12... C101	100	±10%	0.796	20	8.0	4.00	180
NL12... C121	120	±10%	0.796	20	7.5	4.50	160
NL12... C151	150	±10%	0.796	20	7.0	6.50	140
NL12... C181	180	±10%	0.796	20	6.5	7.50	120
NL12... C221	220	±10%	0.796	20	5.5	9.00	120
NL12... C271	270	±10%	0.796	20	5.0	11.00	100
NL12... C331	330	±10%	0.796	20	4.0	13.00	90
NL12... C391	390	±10%	0.796	20	3.8	23.00	80
NL12... C471	470	±10%	0.796	20	3.5	26.00	75
NL12... C561	560	±10%	0.796	20	2.8	30.00	70
NL12... C681	680	±10%	0.796	20	2.6	40.00	65
NL12... C821	820	±10%	0.796	20	2.5	45.00	60

Electrical Specifications – NL20 Standard

Part Number	Inductance (mH)	Tolerance (%)	Test Freq (MHz)	Q Min	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max
NL20... 122	1.20	±5, ±10%	0.252	20	1.5	17	75
NL20... 152	1.50	±5, ±10%	0.252	20	1.4	20	70
NL20... 182	1.80	±5, ±10%	0.252	20	1.3	30	60
NL20... 222	2.20	±5, ±10%	0.252	20	1.2	35	55
NL20... 272	2.70	±5, ±10%	0.252	20	1.1	55	45
NL20... 332	3.30	±5, ±10%	0.252	20	1.0	60	40
NL20... 392	3.90	±5, ±10%	0.252	20	1.0	70	38
NL20... 472	4.70	±5, ±10%	0.252	20	0.9	78	36
NL20... 562	5.60	±5, ±10%	0.252	20	0.8	85	33
NL20... 682	6.80	±5, ±10%	0.252	20	0.7	110	30
NL20... 822	8.20	±5, ±10%	0.252	20	0.6	125	28
NL20... 103	10.00	±5, ±10%	0.0796	15	0.5	150	25

Electrical Specifications – NL20(C) High Current

Part Number	Inductance (μ H)	Tolerance (%)	Test Freq (MHz)	Q Min.	SRF (MHz) Min.	DCR (Ω) Max	IDC (mA) Max
NL20... C1R0	1.0	$\pm 10, \pm 20\%$	7.96	10	95.0	0.03	1800
NL20... C1R2	1.2	$\pm 10, \pm 20\%$	7.96	10	70.0	0.035	1700
NL20... C1R5	1.5	$\pm 10, \pm 20\%$	7.96	10	55.0	0.04	1600
NL20... C1R8	1.8	$\pm 10, \pm 20\%$	7.96	10	47.0	0.05	1400
NL20... C2R2	2.2	$\pm 10, \pm 20\%$	7.96	10	42.0	0.06	1300
NL20... C2R7	2.7	$\pm 10, \pm 20\%$	7.96	10	37.0	0.07	1200
NL20... C3R3	3.3	$\pm 10, \pm 20\%$	7.96	10	34.0	0.08	1120
NL20... C3R9	3.9	$\pm 10, \pm 20\%$	7.96	10	32.0	0.09	1050
NL20... C4R7	4.7	$\pm 10, \pm 20\%$	7.96	10	29.0	0.11	950
NL20... C5R6	5.6	$\pm 10, \pm 20\%$	7.96	10	26.0	0.13	880
NL20... C6R8	6.8	$\pm 10, \pm 20\%$	7.96	10	24.0	0.15	810
NL20... C8R2	8.2	$\pm 10, \pm 20\%$	7.96	10	22.0	0.18	750
NL20... C100	10	$\pm 10, \pm 20\%$	2.52	10	19.0	0.21	690
NL20... C120	12	$\pm 10, \pm 20\%$	2.52	10	17.0	0.25	630
NL20... C150	15	$\pm 10, \pm 20\%$	2.52	10	16.0	0.30	580
NL20... C180	18	$\pm 10, \pm 20\%$	2.52	10	14.0	0.36	530
NL20... C220	22	$\pm 5, \pm 10\%$	2.52	10	13.0	0.43	480
NL20... C270	27	$\pm 5, \pm 10\%$	2.52	10	11.5	0.52	440
NL20... C330	33	$\pm 5, \pm 10\%$	2.52	10	10.5	0.62	400
NL20... C390	39	$\pm 5, \pm 10\%$	2.52	10	9.5	0.72	370
NL20... C470	47	$\pm 5, \pm 10\%$	2.52	10	8.5	0.85	340
NL20... C560	56	$\pm 5, \pm 10\%$	2.52	10	7.8	1.00	310
NL20... C680	68	$\pm 5, \pm 10\%$	2.52	10	7.0	1.20	290
NL20... C820	82	$\pm 5, \pm 10\%$	2.52	10	6.4	1.40	270
NL20... C101	100	$\pm 5, \pm 10\%$	0.796	20	6.0	1.60	250
NL20... C121	120	$\pm 5, \pm 10\%$	0.796	20	5.4	1.90	230
NL20... C151	150	$\pm 5, \pm 10\%$	0.796	20	4.8	2.20	210
NL20... C181	180	$\pm 5, \pm 10\%$	0.796	20	4.4	2.80	190
NL20... C221	220	$\pm 5, \pm 10\%$	0.796	20	3.9	3.40	170
NL20... C271	270	$\pm 5, \pm 10\%$	0.796	20	3.6	4.20	155
NL20... C331	330	$\pm 5, \pm 10\%$	0.796	20	3.2	4.90	140
NL20... C391	390	$\pm 5, \pm 10\%$	0.796	20	2.9	5.80	130
NL20... C471	470	$\pm 5, \pm 10\%$	0.796	20	2.6	7.00	120
NL20... C561	560	$\pm 5, \pm 10\%$	0.796	20	2.4	8.50	110
NL20... C681	680	$\pm 5, \pm 10\%$	0.796	20	2.2	10.00	100
NL20... C821	820	$\pm 5, \pm 10\%$	0.796	20	2.0	13.00	90
NL20... C102	1000	$\pm 5, \pm 10\%$	0.252	20	1.8	15.00	85