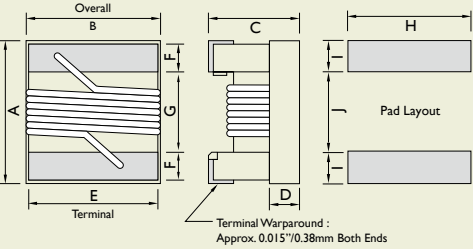


SHAPES AND DIMENSIONS

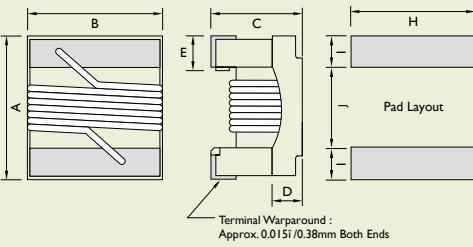
Unit: mm

NL201614



TYPE	A	B	C	D	E	F	G	H	I	J
	Max.	Max.	Max.	Ref.						
NL201614	2.4	1.72	1.52	0.7	1.27	0.5	1.02	1.78	1.02	0.76

NL252018



TYPE	A	B	C	D	E	F	G	H	I	J
	Max.	Max.	Max.	Ref.						
NL252018	2.92	2.5 / 2.79	2.2	0.51	0.51	-	-	2.54	1.02	1.27

NL252018 B Max: at 5N0~R10 = 2.79 mm, at R12~I01 = 2.50 mm



ELECTRICAL CHARACTERISTICS NL201614

PART NO.	INDUCTANCE (μ H)	TOLERANCE ($\pm$ %)	Q Min.	TEST FREQUENCY (MHz)	SRF (MHz) Min.	DC RESISTANCE (Ω) Max.	RATED CURRENT (mA) Max.	COLOR CODING
NL201614T-R12□-N	0.12	5 / 10	25	25.20	500	0.20	600	White
NL201614T-R15□-N	0.15	5 / 10	25	25.20	450	0.25	600	Black
NL201614T-R18□-N	0.18	5 / 10	25	25.20	410	0.30	570	Brown
NL201614T-R22□-N	0.22	5 / 10	25	25.20	350	0.35	550	Red
NL201614T-R27□-N	0.27	5 / 10	25	25.20	280	0.40	530	Orange
NL201614T-R33□-N	0.33	5 / 10	25	25.20	235	0.45	510	Yellow
NL201614T-R39□-N	0.39	5 / 10	25	25.20	210	0.50	490	Green
NL201614T-R47□-N	0.47	5 / 10	25	25.20	170	0.55	470	Blue
NL201614T-R56□-N	0.56	5 / 10	25	25.20	150	0.60	450	Violet
NL201614T-R68□-N	0.68	5 / 10	25	25.20	140	0.70	420	Gray
NL201614T-R82□-N	0.82	5 / 10	25	25.20	130	0.75	400	White
NL201614T-IR0□-N	1.00	5 / 10	15	7.96	115	0.80	350	Black
NL201614T-IR2□-N	1.20	5 / 10	15	7.96	95	0.90	325	Brown
NL201614T-IR5□-N	1.50	5 / 10	15	7.96	85	1.05	300	Red
NL201614T-IR8□-N	1.80	5 / 10	15	7.96	80	1.20	270	Orange
NL201614T-2R2□-N	2.20	5 / 10	15	7.96	75	1.40	250	Yellow
NL201614T-2R7□-N	2.70	5 / 10	15	7.96	70	1.60	230	Green
NL201614T-3R3□-N	3.30	5 / 10	15	7.96	60	1.80	210	Blue
NL201614T-3R9□-N	3.90	5 / 10	15	7.96	55	2.00	190	Violet
NL201614T-4R7□-N	4.70	5 / 10	15	7.96	45	2.40	170	Gray
NL201614T-5R6□-N	5.60	5 / 10	15	7.96	40	2.70	150	White
NL201614T-6R8□-N	6.80	5 / 10	15	7.96	36	3.20	140	Black
NL201614T-8R2□-N	8.20	5 / 10	15	7.96	33	3.60	120	Brown
NL201614T-100□-N	10.0	5 / 10	15	2.52	30	4.50	110	Red
NL201614T-120□-N	12.0	5 / 10	15	2.52	25	5.70	105	Orange
NL201614T-150□-N	15.0	5 / 10	15	2.52	23	6.50	90	Yellow
NL201614T-180□-N	18.0	5 / 10	15	2.52	21	7.00	85	Green
NL201614T-220□-N	22.0	5 / 10	15	2.52	20	8.00	78	Blue
NL201614T-270□-N	27.0	5 / 10	15	2.52	18	9.00	75	Violet
NL201614T-330□-N	33.0	5 / 10	15	2.52	17	10.00	70	Gray

Note:

When ordering, please specify tolerance and packaging codes.

Tolerance: J = $\pm$ 5%, K = $\pm$ 10%

Packaging: Clear tape and reel (standard)

Test Instruments: L/Q- Agilent/HP4291A+Agilent/HP16197A

SRF- Agilent/HP4291A

RDC- CH502BC/ HP4338B

IDC- For Inductance drop 10% from its value without current

Operating Temperature Range: -25 °C to +85 °C

ELECTRICAL CHARACTERISTICS NL252018

PART NO.	INDUCTANCE (μ H)	TOLERANCE ($\pm\%$)	Q Min.	TEST FREQUENCY (MHz)	SRF (MHz) Min.	DC RESISTANCE (Ω) Max.	RATED CURRENT (mA) Max.	COLOR CODING		
								1 st	2 nd	3 rd
NL252018T-5N0□-N	0.005	10	10	100	3,000	0.25	2,000	Black	Green	Black
NL252018T-10N□-N	0.010	10	10	100	2,500	0.25	1,800	Brown	Black	Black
NL252018T-12N□-N	0.012	10	15	100	2,400	0.26	1,700	Brown	Red	Black
NL252018T-15N□-N	0.015	10	15	100	2,300	0.28	1,600	Brown	Green	Black
NL252018T-18N□-N	0.018	10	15	100	2,200	0.30	1,550	Brown	Gray	Black
NL252018T-22N□-N	0.022	5 / 10	20	100	2,100	0.35	1,500	Red	Red	Black
NL252018T-27N□-N	0.027	5 / 10	20	100	2,000	0.40	1,450	Red	Violet	Black
NL252018T-33N□-N	0.033	5 / 10	30	100	1,600	0.42	1,400	Orange	Orange	Black
NL252018T-39N□-N	0.039	5 / 10	35	100	1,500	0.45	1,350	Orange	White	Black
NL252018T-47N□-N	0.047	5 / 10	35	100	1,400	0.50	1,300	Yellow	Violet	Black
NL252018T-56N□-N	0.056	5 / 10	35	100	1,300	0.60	1,250	Green	Blue	Black
NL252018T-68N□-N	0.068	5 / 10	35	100	1,200	0.65	1,240	Blue	Gray	Black
NL252018T-82N□-N	0.082	5 / 10	35	100	1,100	0.75	1,230	Gray	Red	Black
NL252018T-R10□-N	0.10	5 / 10	35	100	800	0.80	1,220	Brown	Black	Brown
NL252018T-R12□-N	0.12	5 / 10	30	25.20	700	0.30	900	Brown	Red	Brown
NL252018T-R15□-N	0.15	5 / 10	30	25.20	550	0.35	900	Brown	Green	Brown
NL252018T-R18□-N	0.18	5 / 10	30	25.20	500	0.40	850	Brown	Gray	Brown
NL252018T-R22□-N	0.22	5 / 10	30	25.20	450	0.50	840	Red	Red	Brown
NL252018T-R27□-N	0.27	5 / 10	30	25.20	425	0.55	830	Red	Violet	Brown
NL252018T-R33□-N	0.33	5 / 10	30	25.20	400	0.60	820	Orange	Orange	Brown
NL252018T-R39□-N	0.39	5 / 10	30	25.20	375	0.65	810	Orange	White	Brown
NL252018T-R47□-N	0.47	5 / 10	30	25.20	350	0.68	800	Yellow	Violet	Brown
NL252018T-R56□-N	0.56	5 / 10	30	25.20	325	0.75	800	Green	Blue	Brown
NL252018T-R68□-N	0.68	5 / 10	30	25.20	300	0.85	800	Blue	Gray	Brown
NL252018T-R82□-N	0.82	5 / 10	30	25.20	260	1.00	800	Gray	Red	Brown
NL252018T-1R0□-N	1.00	5 / 10	25	7.96	245	1.10	800	Brown	Black	Red
NL252018T-1R2□-N	1.20	5 / 10	25	7.96	230	1.20	790	Brown	Red	Red
NL252018T-1R5□-N	1.50	5 / 10	25	7.96	182	1.30	750	Brown	Green	Red
NL252018T-1R8□-N	1.80	5 / 10	25	7.96	135	1.45	750	Brown	Gray	Red
NL252018T-2R2□-N	2.20	5 / 10	25	7.96	105	1.55	750	Red	Red	Red
NL252018T-2R7□-N	2.70	5 / 10	25	7.96	70	1.70	740	Red	Violet	Red
NL252018T-3R3□-N	3.30	5 / 10	25	7.96	55	1.90	730	Orange	Orange	Red
NL252018T-3R9□-N	3.90	5 / 10	25	7.96	48	2.10	700	Orange	White	Red



ELECTRICAL CHARACTERISTICS NL252018

PART NO.	INDUCTANCE (μ H)	TOLERANCE ($\pm$ %)	Q Min.	TEST FREQUENCY (MHz)	SRF (MHz) Min.	DC RESISTANCE (Ω) Max.	RATED CURRENT (mA) Max.	COLOR CODING		
								1 st	2 nd	3 rd
NL252018T-4R7□-N	4.70	5 / 10	25	7.96	43	2.30	650	Yellow	Violet	Red
NL252018T-5R6□-N	5.60	5 / 10	20	7.96	42	2.50	640	Green	Blue	Red
NL252018T-6R8□-N	6.80	5 / 10	20	7.96	39	2.70	630	Blue	Gray	Red
NL252018T-8R2□-N	8.20	5 / 10	20	7.96	36	3.05	600	Gray	Red	Red
NL252018T-100□-N	10.0	5 / 10	15	2.52	33	3.50	600	Brown	Black	Orange
NL252018T-120□-N	12.0	5 / 10	15	2.52	30	3.80	550	Brown	Red	Orange
NL252018T-150□-N	15.0	5 / 10	15	2.52	26	4.40	430	Brown	Green	Orange
NL252018T-180□-N	18.0	5 / 10	15	2.52	24	4.80	400	Brown	Gray	Orange
NL252018T-220□-N	22.0	5 / 10	15	2.52	22	5.50	400	Red	Red	Orange
NL252018T-270□-N	27.0	5 / 10	15	2.52	21	6.30	360	Red	Violet	Orange
NL252018T-330□-N	33.0	5 / 10	15	2.52	20	7.10	350	Orange	Orange	Orange
NL252018T-390□-N	39.0	5 / 10	10	2.52	18	9.50	330	Orange	White	Orange
NL252018T-470□-N	47.0	5 / 10	10	2.52	17	11.10	300	Yellow	Violet	Orange
NL252018T-560□-N	56.0	5 / 10	10	2.52	16	12.10	270	Green	Blue	Orange
NL252018T-680□-N	68.0	5 / 10	10	2.52	15	16.60	250	Blue	Gray	Orange
NL252018T-820□-N	82.0	5 / 10	10	2.52	13	19.00	200	Gray	Red	Orange
NL252018T-101□-N	100	5 / 10	8	0.796	12	21.00	120	Brown	Black	Yellow

Note:

When ordering, please specify tolerance and packaging codes.

Tolerance: J = $\pm$ 5%, K = $\pm$ 10%

Packaging: Clear tape and reel (standard)

Test Instruments: L/Q- Agilent/HP4291A+Agilent/HPI6197A (over 1MHz) or Agilent/HP4285A+ Agilent/HPI6197A (under 1MHz)

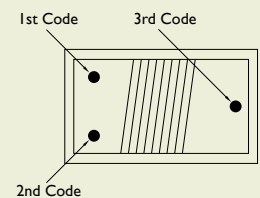
SRF- Agilent/HP8753D+Agilent/HP4291A

RDC- Digital Multimeter CH502BC/HP4338B

IDC- For Inductance drop 10% from its value without current

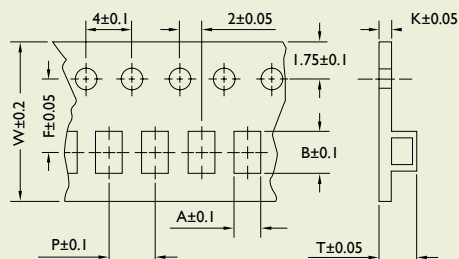
Operating Temperature Range: -25 °C to +85 °C

Color Coding



TAPE DIMENSIONS

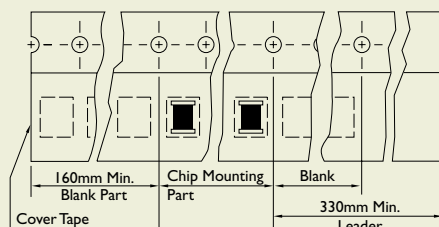
Unit: mm



TYPE	A	B	K	W	P	F	T
NL201614	1.85	2.45	0.23	8	4	3.5	1.45
NL252018 (5N0~R10)	2.80	2.95	0.23	8	4	3.5	2.20
NL252018 (R12~101)	2.61	2.93	0.26	8	4	3.5	2.25

TAPE MATERIAL

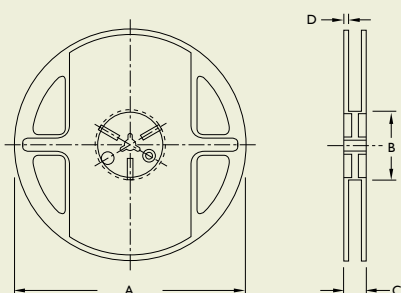
PACKAGING QUANTITY



TYPE	QUANTITY/REEL
NL201614	2,000
NL252018 (5N0~R10)	2,000
NL252018 (R12~101)	2,000

REEL DIMENSIONS

Unit: mm



TYPE	A	B	C	D
NL201614	178	60	12	1.5
NL252018 (5N0~R10)	178	60	12	1.5
NL252018 (R12~101)	178	60	12	1.5