

ELECTRICAL CHARACTERISTICS

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
NLC252018T-1R0□-N	1.00	5 / 10	25	7.96	300	0.34	1,500	Brown	Black	Red
NLC252018T-1R5□-N	1.50	5 / 10	25	7.96	270	0.42	1,400	Brown	Green	Red
NLC252018T-2R2□-N	2.20	5 / 10	25	7.96	140	0.50	1,200	Red	Red	Red
NLC252018T-3R3□-N	3.30	5 / 10	25	7.96	95	0.65	1,000	Orange	Orange	Red
NLC252018T-4R7□-N	4.70	5 / 10	25	7.96	90	0.80	800	Yellow	Violet	Red
NLC252018T-6R8□-N	6.80	5 / 10	25	7.96	68	1.00	730	Blue	Gray	Red
NLC252018T-100□-N	10.0	5 / 10	20	2.52	45	1.50	700	Brown	Black	Orange
NLC252018T-150□-N	15.0	5 / 10	20	2.52	40	2.20	500	Brown	Green	Orange
NLC252018T-220□-N	22.0	5 / 10	20	2.52	25	2.70	470	Red	Red	Orange
NLC252018T-330□-N	33.0	5 / 10	20	2.52	25	4.00	400	Orange	Orange	Orange
NLC252018T-470□-N	47.0	5 / 10	16	2.52	20	8.00	300	Yellow	Violet	Orange
NLC322522T-R47□-N	0.47	5 / 10	40	25.2	450	0.07	1,800	Yellow	Violet	Brown
NLC322522T-1R0□-N	1.00	5 / 10	20	7.96	100	0.08	1,500	Brown	Black	Red
NLC322522T-1R2□-N	1.20	5 / 10	20	7.96	90	0.12	1,400	Brown	Red	Red
NLC322522T-1R5□-N	1.50	5 / 10	20	7.96	80	0.13	1,125	Brown	Green	Red
NLC322522T-1R8□-N	1.80	5 / 10	20	7.96	70	0.13	970	Brown	Gray	Red
NLC322522T-2R2□-N	2.20	5 / 10	20	7.96	68	0.13	970	Red	Red	Red
NLC322522T-3R3□-N	3.30	5 / 10	20	7.96	54	0.16	837	Orange	Orange	Red
NLC322522T-4R7□-N	4.70	5 / 10	20	7.96	43	0.23	675	Yellow	Violet	Red
NLC322522T-5R6□-N	5.60	5 / 10	20	7.96	36	0.26	620	Yellow	Violet	Red
NLC322522T-6R8□-N	6.80	5 / 10	20	7.96	33	0.27	600	Blue	Gray	Red
NLC322522T-8R2□-N	8.20	5 / 10	20	7.96	30	0.32	580	Gray	Red	Red
NLC322522T-100□-N	10.0	5 / 10	15	2.52	28	0.36	520	Brown	Black	Orange
NLC322522T-150□-N	15.0	5 / 10	15	2.52	19	0.56	480	Brown	Green	Orange
NLC322522T-220□-N	22.0	5 / 10	15	2.52	16	0.77	310	Red	Red	Orange
NLC322522T-270□-N	27.0	5 / 10	15	2.52	13	1.00	280	Red	Violet	Orange
NLC322522T-330□-N	33.0	5 / 10	15	2.52	12	1.10	270	Orange	Orange	Orange
NLC322522T-470□-N	47.0	5 / 10	15	2.52	10	1.64	210	Yellow	Violet	Orange
NLC322522T-680□-N	68.0	5 / 10	15	2.52	9.0	2.80	189	Blue	Gray	Orange
NLC322522T-101□-N	100	5 / 10	15	0.796	6.0	3.70	145	Brown	Black	Yellow
NLC322522T-151□-N	150	5 / 10	15	0.796	5.0	6.10	120	Brown	Green	Yellow
NLC322522T-181□-N	180	5 / 10	15	0.796	4.0	8.00	105	Brown	Gray	Yellow
NLC322522T-221□-N	220	5 / 10	15	0.796	4.0	8.40	100	Red	Red	Yellow
NLC322522T-331□-N	330	5 / 10	15	0.796	3.5	12.3	80	Orange	Orange	Yellow
NLC322522T-471□-N	470	5 / 10	15	0.796	2.8	22.0	75	Yellow	Violet	Yellow
NLC322522T-561□-N	560	5 / 10	15	0.796	2.5	23.0	65	Green	Blue	Yellow
NLC322522T-681□-N	680	5 / 10	15	0.796	2.0	28.0	65	Blue	Gray	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); Agilent/HP4285A+Agilent/HPI6197A (under 1MHz)

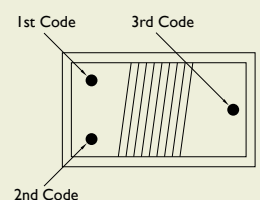
SRF- Agilent/HP4291A

RDC- CH502BC/ HP4338B

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

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

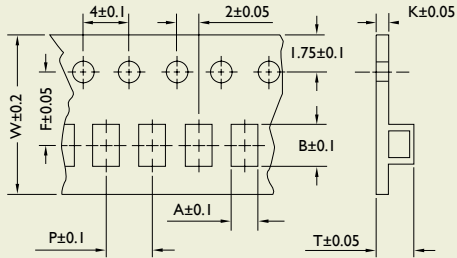
Color Coding





TAPE DIMENSIONS

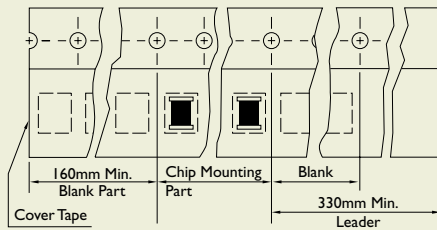
Unit: mm



TYPE	A	B	K	W	P	F	T
NLC252018	2.61	2.93	0.23	8	4	3.5	2.25
NLC322522	2.95	3.85	0.25	12	4	3.5	2.45

TAPE MATERIAL

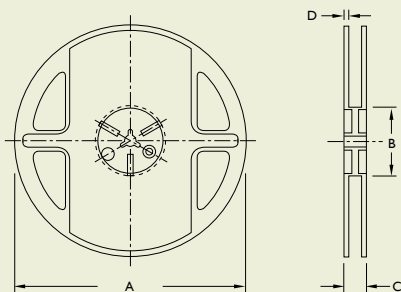
PACKAGING QUANTITY



TYPE	QUANTITY/REEL
NLC252018	2,000
NLC322522	2,000

REEL DIMENSIONS

Unit: mm



TYPE	A	B	C	D
NLC252018	178	60	12	1.5
NLC322522	178	60	16	1.4