

NL Series



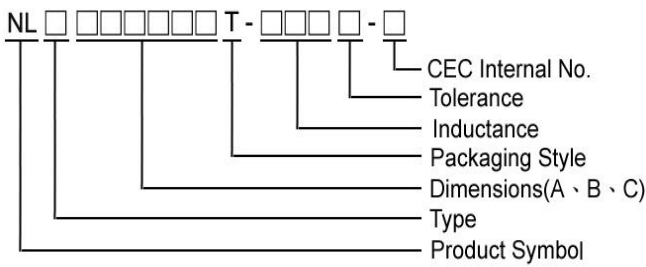
Features

- RoHS compliant
- Strong solderability by reflow soldering and soldering iron
- Highly accurate dimensions
- Can be mounted automatically
- Terminals are highly resistant to external forces
- Highly resistant to mechanical shocks and pressure
- Highly reliable in environments of sudden temperature change and humidity
- Superior Q characteristics and the broadest L selections among peers

Applications

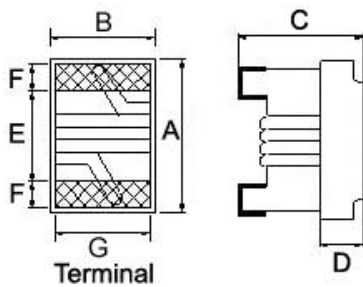
- Microtelevisions
- Liquid crystal televisions
- Video cameras
- Portable VCRs
- Car radios
- Car stereos
- Thin tape radios
- Television tuners
- Mobile telephones
- Radio and other electronic devices

Product Identification

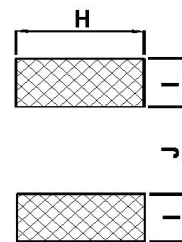


- Packaging: T : Tape and Reel

Shape and Dimensions



Recommended Pattern



Dimensions in mm

TYPE	A Max	B Max	C Max	D	E	F	G	H	I	J	
NL201614	2.40	1.72	1.52	0.70	1.02	0.50	1.27	1.78	1.02	0.76	
NL252018	2.92	2.50	2.79	2.20	0.70	1.50	0.50	2.00	2.54	1.02	1.27

NL252018: B Max: 2.79 mm, at 5N0-R10,
2.50 mm, at R12-101

Electrical Characteristics

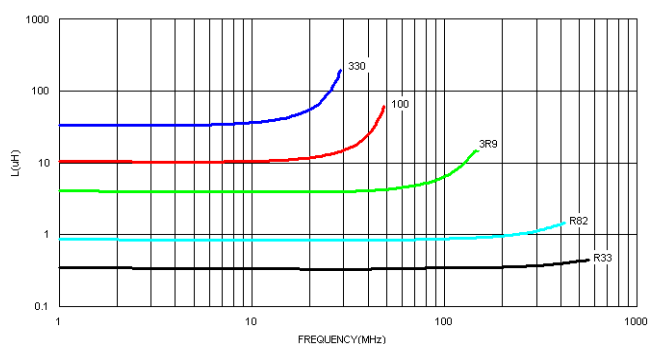
Part Number	Inductance (uH)	Tolerance (±%)	Q Min	Test Frequency (MHz)	SRF (MHz) Min	RDC (Ω) Max	IDC (mA)	Color
NL201614T-R12□-N	0.12	10 / 5	25	25.2	500	0.20	600	White
NL201614T-R15□-N	0.15	10 / 5	25	25.2	450	0.25	600	Black
NL201614T-R18□-N	0.18	10 / 5	25	25.2	410	0.30	570	Brown
NL201614T-R22□-N	0.22	10 / 5	25	25.2	350	0.35	550	Red
NL201614T-R27□-N	0.27	10 / 5	25	25.2	280	0.40	530	Orange
NL201614T-R33□-N	0.33	10 / 5	25	25.2	235	0.45	510	Yellow
NL201614T-R39□-N	0.39	10 / 5	25	25.2	210	0.50	490	Green
NL201614T-R47□-N	0.47	10 / 5	25	25.2	170	0.55	470	Blue
NL201614T-R56□-N	0.56	10 / 5	25	25.2	150	0.60	450	Violet
NL201614T-R68□-N	0.68	10 / 5	25	25.2	140	0.70	420	Gray
NL201614T-R82□-N	0.82	10 / 5	25	25.2	130	0.75	400	White
NL201614T-1R0□-N	1.00	10 / 5	15	7.96	115	0.80	350	Black
NL201614T-1R2□-N	1.20	10 / 5	15	7.96	95	0.90	325	Brown
NL201614T-1R5□-N	1.50	10 / 5	15	7.96	85	1.05	300	Red
NL201614T-1R8□-N	1.80	10 / 5	15	7.96	80	1.20	270	Orange
NL201614T-2R2□-N	2.20	10 / 5	15	7.96	75	1.40	250	Yellow
NL201614T-2R7□-N	2.70	10 / 5	15	7.96	70	1.60	230	Green
NL201614T-3R3□-N	3.30	10 / 5	15	7.96	60	1.80	210	Blue
NL201614T-3R9□-N	3.90	10 / 5	15	7.96	55	2.00	190	Violet
NL201614T-4R7□-N	4.70	10 / 5	15	7.96	45	2.40	170	Gray
NL201614T-5R6□-N	5.60	10 / 5	15	7.96	40	2.70	150	White
NL201614T-6R8□-N	6.80	10 / 5	15	7.96	36	3.20	140	Black
NL201614T-8R2□-N	8.20	10 / 5	15	7.96	33	3.60	120	Brown
NL201614T-100□-N	10.0	10 / 5	15	2.52	30	4.50	110	Red
NL201614T-120□-N	12.0	10 / 5	15	2.52	25	5.70	105	Orange
NL201614T-150□-N	15.0	10 / 5	15	2.52	23	6.50	90	Yellow
NL201614T-180□-N	18.0	10 / 5	15	2.52	21	7.00	85	Green
NL201614T-220□-N	22.0	10 / 5	15	2.52	20	8.00	78	Blue
NL201614T-270□-N	27.0	10 / 5	15	2.52	18	9.00	75	Violet
NL201614T-330□-N	33.0	10 / 5	15	2.52	17	10.0	70	Gray

Note: When ordering, please specify tolerance code. Tolerance : J=±5% , K=±10%

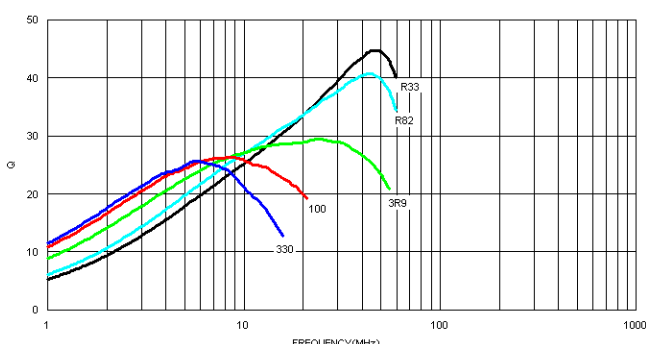
- Operating temperature range - 25°C ~ 105°C(Including self - temperature rise)
- IDC for Inductance drop 10% from its value with current
- Measure Equipment :
 L & Q : Agilent E4991A+Agilent HP16197A
 SRF : Agilent E4991A
 RDC : HP4338B or Chroma 16502

Test Instruments : Agilent E4991A Material/Impedance Analyzer

Typical L vs. Frequency



Typical Q vs. Frequency



Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without advance notice. Please contact our sales department before ordering.

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[MLZ1608M150WTD25](#) [MLZ1608M3R3WTD25](#) [MLZ1608M3R3WT000](#) [MLZ1608M150WT000](#) [MLZ1608A1R5WT000](#)

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