



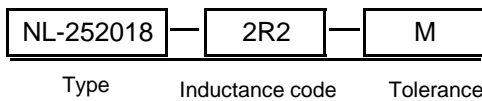
■ Features:

- Wire wound SMD inductor
- Highly accurate dimensions and reliable
- NL 252018 / NL322522 / NL453232 are high Q-characteristic achieved in the miniature winding construction

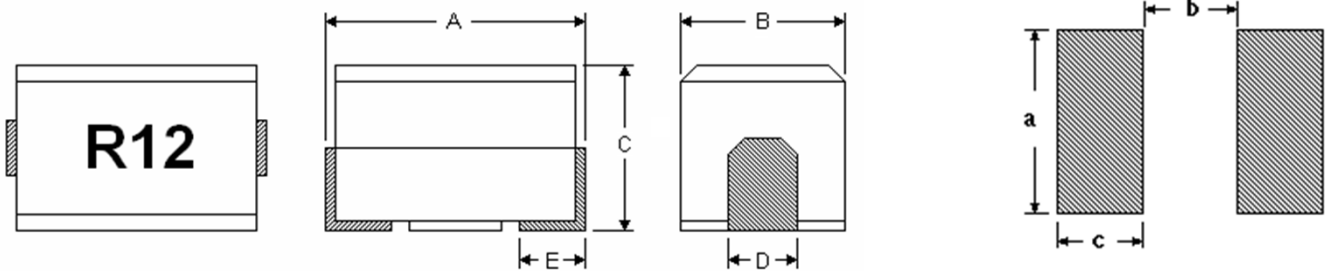
■ Applications:

- Personal computers and PDA products
- Disk Drives and computer peripherals
- VCD, DVD and TV circuits
- Telecommunications devices
- Buzzers and Alarm systems

■ Parts code:



■ Recommended Land Pattern:



Dimensions in mm

TYPE	A	B	C	D	E	a	b	c
NL 252018 (1008)	2.5 ± 0.2	2.0 ± 0.2	1.8 ± 0.2	1.4 ± 0.2	0.4 ± 0.2	1.5	1.5	1.0
NL 322522 (1210)	3.2 ± 0.3	2.5 ± 0.2	2.2 ± 0.2	1.9 ± 0.2	0.4 ± 0.2	2.0	2.0	1.2
NL 453232 (1812)	4.5 ± 0.3	3.2 ± 0.2	3.2 ± 0.2	1.2 ± 0.2	1.0 ± 0.2	1.6	2.2	1.5

■ Package:

TYPE	NL 252018	NL 322522	NL 453232
Q'TY / Reel	2000	2000	500

■ Operating temperature : -40°C to + 105°C

Storage Temperature: -10°C to +40°C, 70% RH max.

Specifications

Inductance		NL 453232 (1812)				
		Q	Test Frequency	SRF	DC Resistance	Rated Current
Code	uH	(Min)	(L, Q) MHz	(MHz) Min	(Ω) Max	(mA) Max
R10	0.10	35	25.2	300	0.20	800
R12	0.12	35	25.2	280	0.20	770
R15	0.15	35	25.2	250	0.20	730
R18	0.18	35	25.2	200	0.20	700
R22	0.22	40	25.2	220	0.30	665
R27	0.27	40	25.2	180	0.30	635
R33	0.33	40	25.2	165	0.30	605
R39	0.39	40	25.2	150	0.30	575
R47	0.47	40	25.2	145	0.30	545
R56	0.56	40	25.2	140	0.40	520
R68	0.68	40	25.2	135	0.40	500
R82	0.82	40	25.2	130	0.50	475
1R0	1.0	50	7.96	100	0.50	450
1R2	1.2	50	7.96	80	0.60	430
1R5	1.5	50	7.96	70	0.60	410
1R8	1.8	50	7.96	60	0.70	390
2R2	2.2	50	7.96	65	0.70	380
2R7	2.7	50	7.96	50	0.80	370
3R3	3.3	50	7.96	45	0.80	355
3R9	3.9	50	7.96	40	0.90	330
4R7	4.7	50	7.96	35	1.00	315
5R6	5.6	50	7.96	33	1.10	300
6R8	6.8	50	7.96	27	1.20	285
8R2	8.2	50	7.96	25	1.40	270
100	10	50	2.52	20	1.60	250
120	12	50	2.52	18	2.00	225
150	15	50	2.52	17	2.50	200
180	18	50	2.52	15	2.80	190
220	22	50	2.52	13	3.20	180
270	27	50	2.52	12	3.60	170
330	33	50	2.52	11	4.00	160
390	39	50	2.52	10	4.50	150
470	47	50	2.52	10	5.00	140
560	56	50	2.52	9.0	5.50	135
680	68	50	2.52	9.0	6.00	130
820	82	50	2.52	8.0	7.00	120
101	100	40	0.796	8.0	8.00	110
121	120	40	0.796	6.0	8.00	110
151	150	40	0.796	5.0	9.00	105
181	180	40	0.796	5.0	9.50	102
221	220	40	0.796	4.0	10.0	100
271	270	40	0.796	4.0	12.0	92
331	330	40	0.796	3.5	14.0	85
391	390	40	0.796	3.0	18.0	80
471	470	40	0.796	3.0	26.0	62
561	560	30	0.796	3.0	30.0	50
681	680	30	0.796	3.0	30.0	50
821	820	30	0.796	2.5	35.0	30
102	1000	20	0.252	2.5	40.0	30

Notes: Tolerance: J = ± 5% K = ± 10% M = ± 20%