



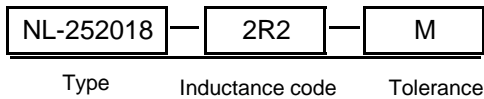
■ Features:

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

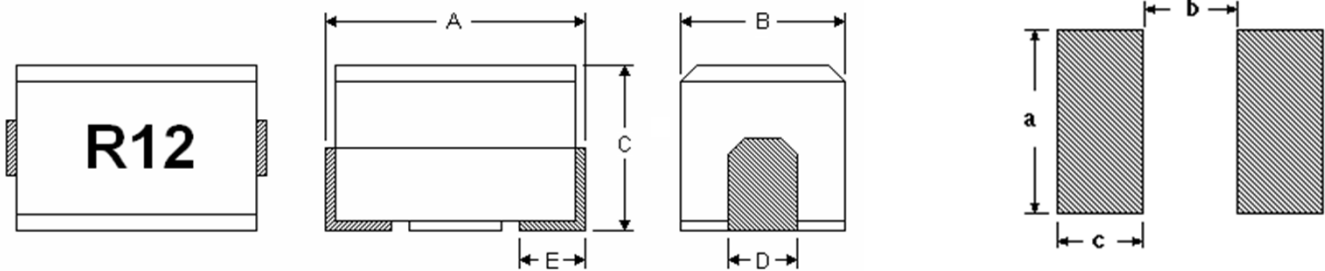
■ Applications:

- 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 252018 (1008)				
		Q	Test Frequency	SRF	DC Resistance	Rated Current
Code	uH	(Min)	(L, Q) MHz	(MHz) Min	(Ω) Max	(mA) Max
R22	0.22	30	25.2	450	0.50	430
R27	0.27	30	25.2	425	0.55	420
R33	0.33	30	25.2	400	0.60	400
R39	0.39	30	25.2	375	0.65	375
R47	0.47	30	25.2	350	0.68	350
R56	0.56	30	25.2	300	0.75	325
R68	0.68	30	25.2	270	0.85	300
R82	0.82	30	25.2	250	1.00	260
1R0	1.0	30	7.96	220	1.11	245
1R2	1.2	30	7.96	180	1.20	230
1R5	1.5	30	7.96	135	1.30	220
1R8	1.8	30	7.96	100	1.45	210
2R2	2.2	30	7.96	75	1.55	200
2R7	2.7	30	7.96	55	1.70	195
3R3	3.3	30	7.96	48	1.90	185
3R9	3.9	30	7.96	43	2.10	180
4R7	4.7	30	7.96	40	2.30	175
5R6	5.6	25	7.96	36	2.50	170
6R8	6.8	25	7.96	33	2.70	165
8R2	8.2	25	7.96	30	3.05	160
100	10	25	2.52	27	3.50	155
120	12	25	2.52	23	3.80	150
150	15	25	2.52	20	4.40	140
180	18	25	2.52	18	4.80	130
220	22	25	2.52	17	5.50	125
270	27	25	2.52	16	6.30	115
330	33	25	2.52	15	7.10	110
390	39	20	2.52	14	9.50	90
470	47	20	2.52	13	11.1	80
560	56	20	2.52	12	12.1	75
680	68	20	2.52	11	16.6	70
820	82	20	2.52	10	19.0	66
101	100	15	0.796	9	21.0	60

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