



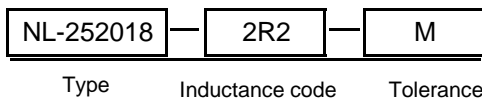
■ Features:

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

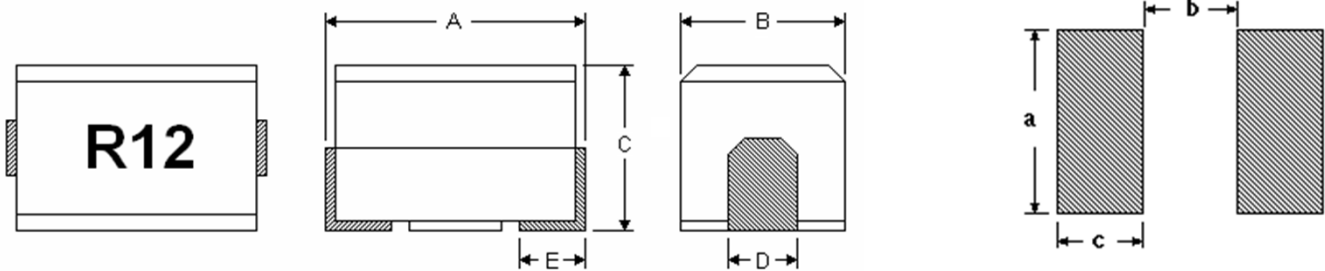
■ Applications:

- 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 322522 (1210) | | | | |
|------------|------|------------------|----------------|-----------|---------------|---------------|
| | | Q | Test Frequency | SRF | DC Resistance | Rated Current |
| Code | uH | (Min) | (L , Q) MHz | (MHz) Min | (Ω) Max | (mA) Max |
| R12 | 0.12 | 30 | 25.2 | 500 | 0.22 | 450 |
| R15 | 0.15 | 30 | 25.2 | 450 | 0.25 | 450 |
| R18 | 0.18 | 30 | 25.2 | 400 | 0.28 | 450 |
| R22 | 0.22 | 30 | 25.2 | 350 | 0.32 | 40 |
| R27 | 0.27 | 30 | 25.2 | 320 | 0.36 | 450 |
| R33 | 0.33 | 30 | 25.2 | 300 | 0.40 | 450 |
| R39 | 0.39 | 30 | 25.2 | 250 | 0.45 | 450 |
| R47 | 0.47 | 30 | 25.2 | 220 | 0.50 | 450 |
| R56 | 0.56 | 30 | 25.2 | 180 | 0.55 | 450 |
| R68 | 0.68 | 30 | 25.2 | 160 | 0.60 | 450 |
| R82 | 0.82 | 30 | 25.2 | 140 | 0.65 | 450 |
| 1R0 | 1.0 | 30 | 7.96 | 120 | 0.70 | 400 |
| 1R2 | 1.2 | 30 | 7.96 | 100 | 0.75 | 390 |
| 1R5 | 1.5 | 30 | 7.96 | 85 | 0.85 | 370 |
| 1R8 | 1.8 | 30 | 7.96 | 80 | 0.90 | 350 |
| 2R2 | 2.2 | 30 | 7.96 | 75 | 1.00 | 320 |
| 2R7 | 2.7 | 30 | 7.96 | 70 | 1.10 | 290 |
| 3R3 | 3.3 | 30 | 7.96 | 60 | 1.20 | 260 |
| 3R9 | 3.9 | 30 | 7.96 | 55 | 1.30 | 250 |
| 4R7 | 4.7 | 30 | 7.96 | 40 | 1.50 | 220 |
| 5R6 | 5.6 | 30 | 7.96 | 47 | 1.60 | 200 |
| 6R8 | 6.8 | 30 | 7.96 | 43 | 1.80 | 180 |
| 8R2 | 8.2 | 30 | 7.96 | 40 | 2.00 | 170 |
| 100 | 10 | 30 | 2.52 | 36 | 2.10 | 150 |
| 120 | 12 | 30 | 2.52 | 33 | 2.50 | 140 |
| 150 | 15 | 30 | 2.52 | 28 | 2.80 | 130 |
| 180 | 18 | 30 | 2.52 | 25 | 3.30 | 120 |
| 220 | 22 | 30 | 2.52 | 23 | 3.70 | 110 |
| 270 | 27 | 30 | 2.52 | 18 | 5.00 | 80 |
| 330 | 33 | 30 | 2.52 | 17 | 5.60 | 70 |
| 390 | 39 | 30 | 2.52 | 16 | 6.40 | 65 |
| 470 | 47 | 30 | 2.52 | 15 | 7.00 | 60 |
| 560 | 56 | 30 | 2.52 | 13 | 8.00 | 55 |
| 680 | 68 | 30 | 2.52 | 12 | 9.00 | 50 |
| 820 | 82 | 30 | 2.52 | 11 | 10.0 | 45 |
| 101 | 100 | 20 | 0.796 | 10 | 11.0 | 40 |
| 121 | 120 | 20 | 0.796 | 10 | 12.0 | 70 |
| 151 | 150 | 20 | 0.796 | 8 | 15.0 | 65 |
| 181 | 180 | 20 | 0.796 | 7 | 17.0 | 60 |
| 221 | 220 | 20 | 0.796 | 7 | 21.0 | 60 |

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