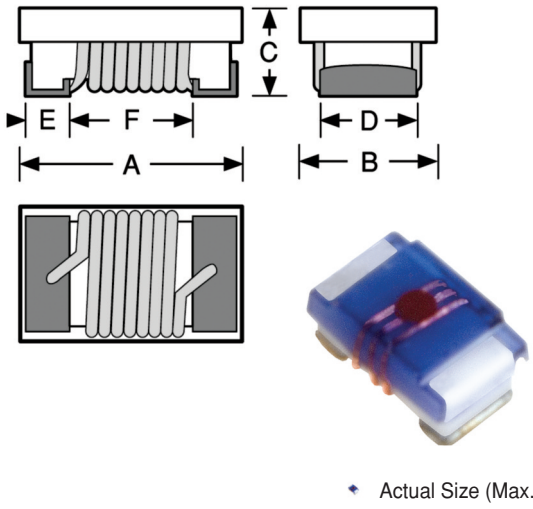


# SERIES 0402R RoHS Compliant

## Open Construction Wirewound Surface Mount Inductors



### Physical Parameters

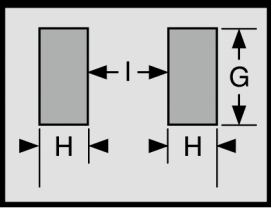
|   | Inches            | Millimeters      |
|---|-------------------|------------------|
| A | 0.050 Max.        | 1.27 Max.        |
| B | 0.030 Max.        | 0.76 Max.        |
| C | 0.024 Max.        | 0.61 Max.        |
| D | 0.020 (Ref. only) | 0.51 (Ref. only) |
| E | 0.009 (Ref. only) | 0.23 (Ref. only) |
| F | 0.022 (Ref. only) | 0.56 (Ref. only) |
| G | 0.026             | 0.66             |
| H | 0.019             | 0.50             |
| I | 0.018             | 0.46             |

**Operating Temperature Range** -40°C to +125°C

**Inductance and Q** tested on HP4291A using HP16193A test fixture, or equivalent

**Packaging** Tape & reel (8mm): 7" reel, 4000 pieces max.

### LAND PATTERN DIMENSIONS



| DASH NUMBER*              | INDUCTANCE (nH) ±10% | Q MINIMUM | INDUCTANCE & Q TEST FREQUENCY (MHz) | SRF MINIMUM (MHz) | DC RESISTANCE MAXIMUM (OHMS) | CURRENT RATING MAXIMUM (mA) |
|---------------------------|----------------------|-----------|-------------------------------------|-------------------|------------------------------|-----------------------------|
| SERIES 0402R CERAMIC CORE |                      |           |                                     |                   |                              |                             |
| -1N0K                     | 1.0                  | 16        | 250                                 | 12,700            | 0.045                        | 1360                        |
| -1N9K                     | 1.9                  | 16        | 250                                 | 11,300            | 0.070                        | 1040                        |
| -2N0K                     | 2.0                  | 16        | 250                                 | 11,100            | 0.070                        | 1040                        |
| -2N2K                     | 2.2                  | 19        | 250                                 | 10,800            | 0.070                        | 960                         |
| -2N4K                     | 2.4                  | 15        | 250                                 | 10,500            | 0.070                        | 790                         |
| -2N7K                     | 2.7                  | 16        | 250                                 | 10,400            | 0.120                        | 640                         |
| -3N3K                     | 3.3                  | 19        | 250                                 | 7000              | 0.066                        | 840                         |
| -3N6K                     | 3.6                  | 19        | 250                                 | 6800              | 0.066                        | 840                         |
| -3N9K                     | 3.9                  | 19        | 250                                 | 5800              | 0.066                        | 840                         |
| -4N3K                     | 4.3                  | 18        | 250                                 | 6000              | 0.091                        | 700                         |
| -4N7K                     | 4.7                  | 15        | 250                                 | 4700              | 0.130                        | 640                         |
| -5N1K                     | 5.1                  | 20        | 250                                 | 4800              | 0.083                        | 800                         |
| -5N6K                     | 5.6                  | 20        | 250                                 | 4800              | 0.083                        | 760                         |
| -6N2K                     | 6.2                  | 20        | 250                                 | 4800              | 0.083                        | 760                         |
| -6N8K                     | 6.8                  | 20        | 250                                 | 4800              | 0.083                        | 680                         |
| -7N5K                     | 7.5                  | 22        | 250                                 | 4800              | 0.104                        | 680                         |
| -8N2K                     | 8.2                  | 22        | 250                                 | 4400              | 0.104                        | 680                         |
| -8N7K                     | 8.7                  | 18        | 250                                 | 4100              | 0.200                        | 480                         |
| -9N0K                     | 9.0                  | 22        | 250                                 | 4160              | 0.104                        | 680                         |
| -10NK                     | 10                   | 21        | 250                                 | 3900              | 0.195                        | 480                         |
| -11NK                     | 11                   | 24        | 250                                 | 3680              | 0.120                        | 640                         |
| -12NK                     | 12                   | 24        | 250                                 | 3600              | 0.120                        | 640                         |
| -13NK                     | 13                   | 24        | 250                                 | 3450              | 0.210                        | 440                         |
| -15NK                     | 15                   | 24        | 250                                 | 3280              | 0.172                        | 560                         |
| -16NK                     | 16                   | 24        | 250                                 | 3100              | 0.220                        | 560                         |
| -18NK                     | 18                   | 24        | 250                                 | 3100              | 0.230                        | 420                         |
| -19NK                     | 19                   | 24        | 250                                 | 3040              | 0.202                        | 480                         |
| -20NK                     | 20                   | 25        | 250                                 | 3000              | 0.250                        | 420                         |
| -22NK                     | 22                   | 25        | 250                                 | 2800              | 0.300                        | 400                         |
| -23NK                     | 23                   | 24        | 250                                 | 2720              | 0.300                        | 400                         |
| -24NK                     | 24                   | 25        | 250                                 | 2700              | 0.300                        | 400                         |
| -27NK                     | 27                   | 24        | 250                                 | 2480              | 0.300                        | 400                         |
| -30NK                     | 30                   | 25        | 250                                 | 2350              | 0.350                        | 400                         |
| -33NK                     | 33                   | 24        | 250                                 | 2350              | 0.350                        | 400                         |
| -36NK                     | 36                   | 24        | 250                                 | 2320              | 0.440                        | 320                         |
| -39NK                     | 39                   | 25        | 250                                 | 2100              | 0.550                        | 200                         |
| -40NK                     | 40                   | 24        | 250                                 | 2240              | 0.440                        | 320                         |
| -43NK                     | 43                   | 25        | 250                                 | 2030              | 0.810                        | 100                         |
| -47NK                     | 47                   | 20        | 250                                 | 2100              | 0.830                        | 150                         |
| -51NK                     | 51                   | 25        | 250                                 | 1750              | 0.820                        | 100                         |
| -56NK                     | 56                   | 22        | 250                                 | 1700              | 0.970                        | 100                         |
| -68NK                     | 68                   | 22        | 250                                 | 1620              | 1.120                        | 100                         |

Optional Tolerances (except 1.0nH & 1.9nH): J = 5%

\*Complete part # must include series # PLUS the dash #

For surface finish information, refer to [www.delevanfinishes.com](http://www.delevanfinishes.com)