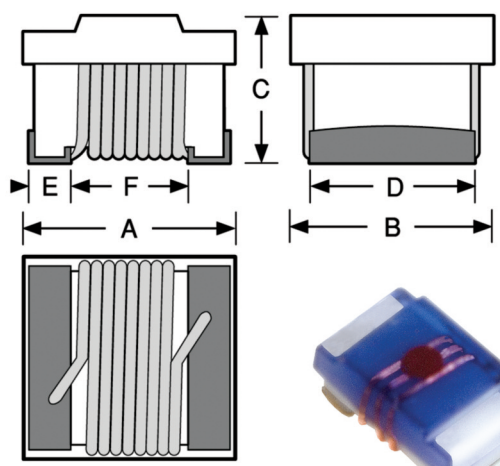


# SERIES 0603R RoHS Compliant

## Open Construction Wirewound Surface Mount Inductors



Actual Size (Max.)

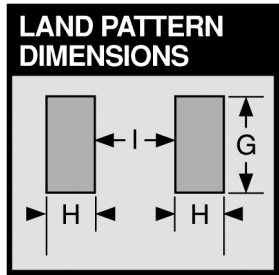
### Physical Parameters

|   | Inches            | Millimeters      |
|---|-------------------|------------------|
| A | 0.071 Max.        | 1.80 Max.        |
| B | 0.045 Max.        | 1.14 Max.        |
| C | 0.040 Max.        | 1.02 Max.        |
| D | 0.030 (Ref. only) | 0.76 (Ref. only) |
| E | 0.018 (Ref. only) | 0.44 (Ref. only) |
| F | 0.040 (Ref. only) | 1.03 (Ref. only) |
| G | 0.040             | 1.03             |
| H | 0.025             | 0.64             |
| I | 0.025             | 0.64             |

**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.



| DASH NUMBER*              | INDUCTANCE (nH) ±10% | Q MINIMUM | INDUCTANCE & Q TEST FREQUENCY (MHz) | SRF MINIMUM (MHz) | DC RESISTANCE MAXIMUM (OHMS) | CURRENT RATING MAXIMUM (mA) |
|---------------------------|----------------------|-----------|-------------------------------------|-------------------|------------------------------|-----------------------------|
| SERIES 0603R CERAMIC CORE |                      |           |                                     |                   |                              |                             |
| -1N6K                     | 1.6                  | 16        | 250                                 | 6000              | 0.040                        | 700                         |
| -1N8K                     | 1.8                  | 16        | 250                                 | 6000              | 0.045                        | 700                         |
| -3N3K                     | 3.3                  | 22        | 250                                 | 6000              | 0.080                        | 700                         |
| -3N6K                     | 3.6                  | 22        | 250                                 | 5800              | 0.063                        | 700                         |
| -3N9K                     | 3.9                  | 22        | 250                                 | 6000              | 0.080                        | 700                         |
| -4N3K                     | 4.3                  | 22        | 250                                 | 5800              | 0.063                        | 700                         |
| -4N7K                     | 4.7                  | 25        | 250                                 | 5800              | 0.120                        | 700                         |
| -5N1K                     | 5.1                  | 20        | 250                                 | 5800              | 0.160                        | 700                         |
| -5N6K                     | 5.6                  | 20        | 250                                 | 5800              | 0.170                        | 700                         |
| -6N8K                     | 6.8                  | 27        | 250                                 | 5800              | 0.110                        | 700                         |
| -7N5K                     | 7.5                  | 27        | 250                                 | 4800              | 0.110                        | 700                         |
| -8N2K                     | 8.2                  | 27        | 250                                 | 4800              | 0.110                        | 700                         |
| -8N7K                     | 8.7                  | 27        | 250                                 | 4800              | 0.110                        | 700                         |
| -9N5K                     | 9.5                  | 27        | 250                                 | 4800              | 0.130                        | 700                         |
| -10NK                     | 10                   | 31        | 250                                 | 4800              | 0.130                        | 700                         |
| -11NK                     | 11                   | 31        | 250                                 | 4000              | 0.086                        | 700                         |
| -12NK                     | 12                   | 35        | 250                                 | 4000              | 0.130                        | 700                         |
| -15NK                     | 15                   | 35        | 250                                 | 4000              | 0.170                        | 700                         |
| -16NK                     | 16                   | 35        | 250                                 | 3300              | 0.110                        | 700                         |
| -18NK                     | 18                   | 35        | 250                                 | 3100              | 0.170                        | 700                         |
| -22NK                     | 22                   | 38        | 250                                 | 3000              | 0.190                        | 700                         |
| -24NK                     | 24                   | 38        | 250                                 | 2800              | 0.130                        | 700                         |
| -27NK                     | 27                   | 40        | 250                                 | 2800              | 0.220                        | 600                         |
| -30NK                     | 30                   | 40        | 250                                 | 2800              | 0.150                        | 600                         |
| -33NK                     | 33                   | 40        | 250                                 | 2300              | 0.220                        | 600                         |
| -36NK                     | 36                   | 40        | 250                                 | 2300              | 0.250                        | 600                         |
| -39NK                     | 39                   | 40        | 250                                 | 2200              | 0.250                        | 600                         |
| -43NK                     | 43                   | 38        | 200                                 | 2000              | 0.280                        | 600                         |
| -47NK                     | 47                   | 38        | 200                                 | 2000              | 0.280                        | 600                         |
| -56NK                     | 56                   | 38        | 200                                 | 1900              | 0.310                        | 600                         |
| -68NK                     | 68                   | 37        | 200                                 | 1700              | 0.340                        | 600                         |
| -72NK                     | 72                   | 34        | 150                                 | 1700              | 0.490                        | 400                         |
| -82NK                     | 82                   | 34        | 150                                 | 1700              | 0.540                        | 400                         |
| -101K                     | 100                  | 34        | 150                                 | 1400              | 0.580                        | 400                         |
| -111K                     | 110                  | 32        | 150                                 | 1350              | 0.610                        | 300                         |
| -121K                     | 120                  | 32        | 150                                 | 1300              | 0.650                        | 300                         |
| -151K                     | 150                  | 32        | 100                                 | 1300              | 0.950                        | 280                         |
| -181K                     | 180                  | 25        | 100                                 | 1200              | 1.400                        | 250                         |
| -221K                     | 220                  | 25        | 100                                 | 1200              | 1.600                        | 250                         |
| -271K                     | 270                  | 25        | 100                                 | 900               | 2.100                        | 200                         |
| -331K                     | 330                  | 25        | 100                                 | 900               | 3.800                        | 100                         |
| -391K                     | 390                  | 25        | 100                                 | 900               | 4.350                        | 100                         |

Optional Tolerances: 9.5nH & Lower J = 5%  
All Other Values: J = 5% G = 2%

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

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

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