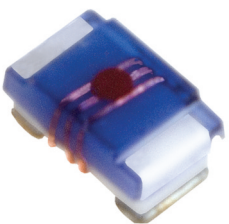
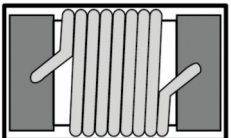
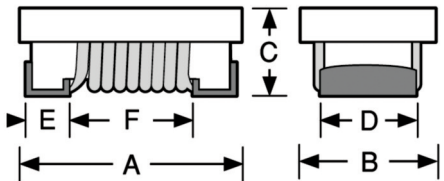


# SERIES 0402R RoHS Compliant

## Open Construction Wirewound Surface Mount Inductors



◆ Actual Size (Max.)

### 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

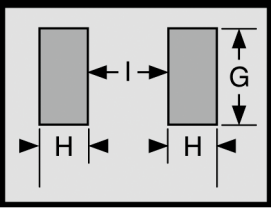
**Inductance and Q** tested on HP4291A using HP16193A test fixture, or equivalent

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

| 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  |

### LAND PATTERN DIMENSIONS



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)