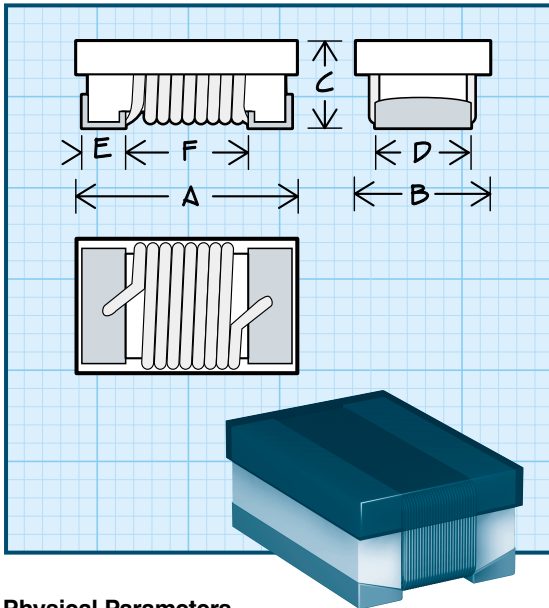


Series

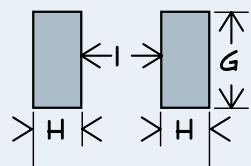
0402R

0402

RoHS  
CompliantTraditional  
First QualityOpen 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  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ Inductance and Q tested on HP4291A using  
HP16193A test fixture, or equivalentPackaging Tape & reel (8mm): 7" reel,  
4000 pieces max.LAND PATTERN  
DIMENSIONS

DASH NUMBER\*

INDUCTANCE  
(nH)  $\pm 10\%$ 

Q MINIMUM

INDUCTANCE & Q TEST  
FREQUENCY (MHz)

SRF MINIMUM (MHz)

DC RESISTANCE  
MAXIMUM (OHMS)CURRENT RATING  
MAXIMUM (mA)

## SERIES 0402 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 J = 5% G=2%

(1.0nH Min. Tolerance is  $\pm 10\%$ )(1.9nH - 2.7nH Min. Tolerance is  $\pm 5\%$ )

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

For further surface finish information,  
refer to TECHNICAL section of this catalog.