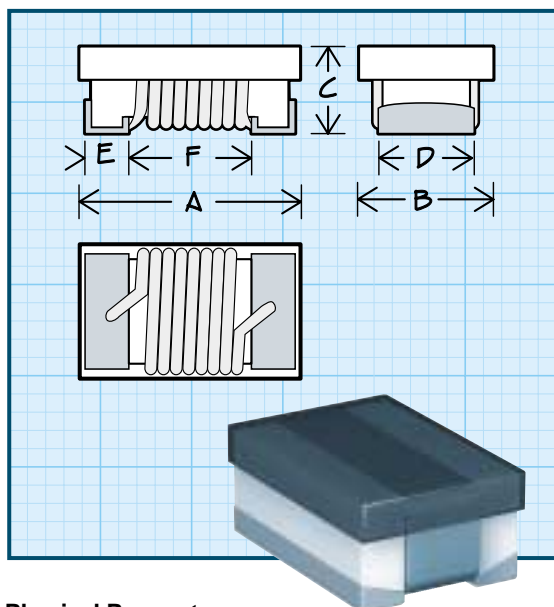


# Series 0402 Open Construction Wirewound Surface Mount Inductors



## 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

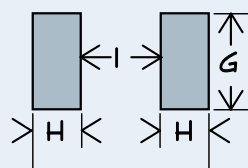
**Operating Temperature Range** -40°C to +125°C

**Standard Termination** 90/10 Solder

**Inductance and Q** tested on HP4291A using HP16193A test fixture

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

## LAND PATTERN DIMENSIONS



PART NUMBER

INDUCTANCE  
(nH) ±10%

Q MINIMUM

INDUCTANCE & Q TEST  
FREQUENCY (MHz)

SRF MINIMUM (MHz)

DC RESISTANCE  
MAXIMUM (OHMS)

CURRENT RATING  
MAXIMUM (mA)

## SERIES 0402 CERAMIC CORE

0402-1N0K	1.0	16	250	6000	0.045	1360
0402-2N0K	2.0	16	250	6000	0.070	1040
0402-2N2K	2.2	19	250	6000	0.070	960
0402-3N3K	3.3	19	250	6000	0.066	840
0402-3N6K	3.6	19	250	6000	0.066	840
0402-3N9K	3.9	19	250	5800	0.066	840
0402-5N1K	5.1	20	250	5800	0.083	800
0402-5N6K	5.6	20	250	5800	0.083	760
0402-6N2K	6.2	20	250	5800	0.083	760
0402-7N5K	7.5	22	250	5800	0.104	680
0402-8N2K	8.2	22	250	4400	0.104	680
0402-9N0K	9.0	22	250	4160	0.104	680
0402-10NK	10	21	250	3900	0.195	680
0402-11NK	11	24	250	3680	0.120	640
0402-12NK	12	24	250	3600	0.120	640
0402-15NK	15	24	250	3280	0.172	560
0402-19NK	19	24	250	3040	0.202	480
0402-23NK	23	24	250	2720	0.214	400
0402-27NK	27	24	250	2480	0.298	400
0402-36NK	36	24	250	2320	0.403	320
0402-40NK	40	24	250	2240	0.438	320
0402-47NK	47	20	250	2100	0.830	150

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