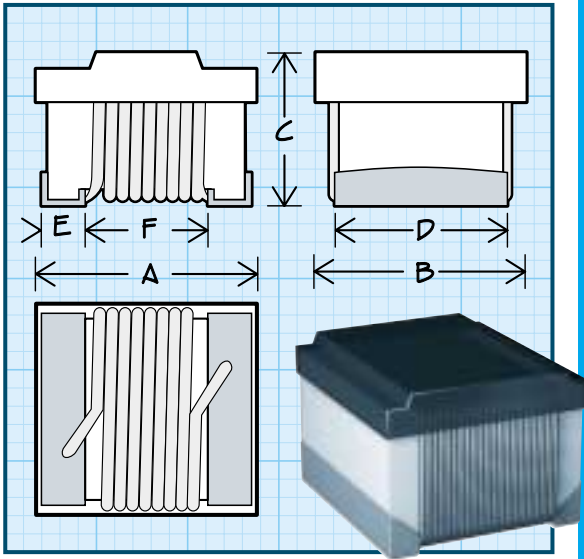


# Series 0805 Open Construction Wirewound Surface Mount Inductors



## Physical Parameters

	Inches	Millimeters
A	0.090 Max.	2.29 Max.
B	0.068 Max.	1.73 Max.
C	0.060 Max.	1.52 Max.
D	0.050 (Ref. only)	1.27 (Ref. only)
E	0.018 (Ref. only)	0.44 (Ref. only)
F	0.040 (Ref. only)	1.03 (Ref. only)
G	0.070	1.78
H	0.040	1.02
I	0.030	0.76

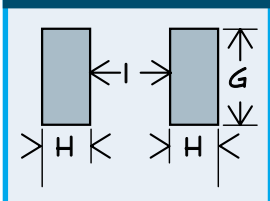
**Operating Temperature Range** -40°C to +125°C

**Standard Termination** 90/10 Solder plating

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

**Packaging** Tape & reel (8mm): 7" reel, 2000 pieces max.

## LAND PATTERN DIMENSIONS



PART NUMBER  
INDUCTANCE (nH) ±10%  
INDUCTANCE TEST FREQUENCY (MHz)  
Q MINIMUM  
Q TEST FREQUENCY (MHz)  
SRF MINIMUM (MHz)  
DC RESISTANCE MAXIMUM (OHMS)  
CURRENT RATING MAXIMUM (mA)

SERIES 0805 CERAMIC CORE							
0805-2N8K	2.8	250	80	1500	7900	0.06	800
0805-3N0K	3	250	65	1500	7900	0.06	800
0805-3N3K	3.3	250	50	1500	6000	0.08	600
0805-5N6K	5.6	250	65	1000	5500	0.08	600
0805-6N8K	6.8	250	50	1000	5500	0.11	600
0805-7N5K	7.5	250	50	1000	4500	0.14	600
0805-8N2K	8.2	250	50	1000	4700	0.12	600
0805-10NK	10	250	60	500	4200	0.10	600
0805-12NK	12	250	50	500	4000	0.15	600
0805-15NK	15	250	50	500	3400	0.17	600
0805-18NK	18	250	50	500	3300	0.20	600
0805-22NK	22	250	55	500	2600	0.22	500
0805-24NK	24	250	50	500	2000	0.22	500
0805-27NK	27	250	55	500	2500	0.25	500
0805-33NK	33	250	60	500	2050	0.27	500
0805-36NK	36	250	55	500	1700	0.27	500
0805-39NK	39	250	60	500	2000	0.29	500
0805-43NK	43	200	60	500	1650	0.34	500
0805-47NK	47	200	60	500	1650	0.31	500
0805-56NK	56	200	60	500	1550	0.34	500
0805-68NK	68	200	60	500	1450	0.38	500
0805-82NK	82	150	65	500	1300	0.42	400
0805-91NK	91	150	65	500	1200	0.48	400
0805-101K	100	150	65	500	1200	0.46	400
0805-111K	110	150	50	250	1000	0.48	400
0805-121K	120	150	50	250	1100	0.51	400
0805-151K	150	100	50	250	920	0.56	400
0805-181K	180	100	50	250	870	0.64	400
0805-221K	220	100	50	250	850	0.70	400
0805-241K	240	100	44	250	690	1.0	350
0805-271K	270	100	48	250	650	1.0	350
0805-331K	330	100	48	250	600	1.4	310
0805-391K	390	100	48	250	560	1.5	290
0805-471K	470	50	33	100	375	1.7	220
0805-561K	560	25	23	50	340	1.9	210
0805-621K	620	25	23	50	220	2.2	210
0805-681K	680	25	23	50	200	2.2	190
0805-751K	750	25	23	50	200	2.3	180
0805-821K	820	25	23	50	200	2.35	180

Optional Tolerances: 8.2nH & Lower J = 5%  
All Other Values: J = 5% G = 2%

RF INDUCTORS