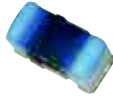


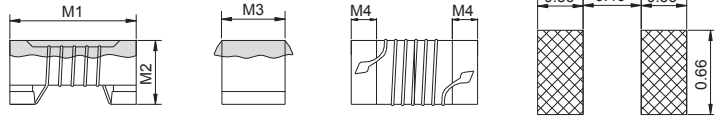
0402CH Series

■ SMD Wire Wound Ceramic Chip Inductors

MECHANICAL DIMENSIONS



0402CH



Recommended Patterns

unit: mm

Part Number	M1	M2	M3	M4
0402CH	1.0±0.1	0.5±0.1	0.6±0.1	0.2±0.1

ELECTRICAL SPECIFICATION

Part Number	Inductance (nH)	Inductance Tolerance	Inductance Test Frequency (MHz)	Rated Current (mA)	Max. of DC Resistance Ω	Q (min.)	Q Test Frequency (MHz)	Self-Resonance Frequency (min.) (GHz)
0402CH-1N3 □ -LRH	1.3	U, W	100	3150	0.012	20	250	18.0
0402CH-1N5 □ -LRH	1.5	U, W	100	2100	0.028	20	250	18.0
0402CH-1N6 □ -LRH	1.6	U, W	100	1450	0.045	20	250	18.0
0402CH-1N7 □ -LRH	1.7	U, W	100	1150	0.065	20	250	18.0
0402CH-2N2 □ -LRH	2.2	Z, U, W, G	100	2530	0.022	30	250	15.5
0402CH-2N3 □ -LRH	2.3	Z, U, W, G	100	2530	0.022	30	250	15.5
0402CH-2N4 □ -LRH	2.4	Z, U, W, G	100	2530	0.022	30	250	15.5
0402CH-2N5 □ -LRH	2.5	Z, U, W, G	100	2100	0.030	30	250	15.5
0402CH-2N6 □ -LRH	2.6	Z, U, W, G	100	1950	0.035	30	250	14.5
0402CH-2N7 □ -LRH	2.7	Z, U, W, G	100	1500	0.047	28	250	14.0
0402CH-2N8 □ -LRH	2.8	Z, U, W, G	100	1500	0.047	27	250	13.5
0402CH-2N9 □ -LRH	2.9	Z, U, W, G	100	1500	0.047	25	250	12.5
0402CH-3N0 □ -LRH	3.0	Z, U, W, G	100	1350	0.063	20	250	12.5
0402CH-3N3 □ -LRH	3.3	Z, U, W, G	100	2000	0.030	30	250	14.0
0402CH-3N4 □ -LRH	3.4	Z, U, W, G	100	1950	0.030	30	250	10.0
0402CH-3N5 □ -LRH	3.5	Z, U, W, G	100	1950	0.030	30	250	10.0
0402CH-3N6 □ -LRH	3.6	Z, U, W, G	100	1950	0.030	30	250	10.0
0402CH-3N7 □ -LRH	3.7	Z, U, W, G	100	1950	0.030	35	250	10.0
0402CH-3N8 □ -LRH	3.8	Z, U, W, G	100	1950	0.030	35	250	10.0
0402CH-3N9 □ -LRH	3.9	Z, U, W, G	100	1950	0.030	35	250	10.0
0402CH-4N0 □ -LRH	4.0	Z, U, W, G	100	1950	0.030	30	250	10.0
0402CH-4N1 □ -LRH	4.1	Z, U, W, G	100	1800	0.044	30	250	9.6
0402CH-4N2 □ -LRH	4.2	Z, U, W, G	100	1800	0.044	30	250	9.6
0402CH-4N3 □ -LRH	4.3	Z, U, W, G	100	1800	0.044	32	250	9.6
0402CH-4N4 □ -LRH	4.4	Z, U, W, G	100	1600	0.052	34	250	9.6
0402CH-4N5 □ -LRH	4.5	Z, U, W, G	100	1450	0.060	34	250	9.6
0402CH-4N6 □ -LRH	4.6	Z, U, W, G	100	1450	0.060	32	250	9.6
0402CH-4N7 □ -LRH	4.7	Z, U, W, G	100	1200	0.071	31	250	8.0
0402CH-4N8 □ -LRH	4.8	Z, U, W, G	100	1200	0.071	30	250	8.0
0402CH-4N9 □ -LRH	4.9	Z, U, W, G	100	1200	0.071	27	250	8.0
0402CH-5N0 □ -LRH	5.0	Z, U, W, G	100	1770	0.040	32	250	10.0
0402CH-5N1 □ -LRH	5.1	Z, U, W, G	100	1770	0.040	35	250	8.0
0402CH-5N2 □ -LRH	5.2	Z, U, W, G	100	1770	0.040	35	250	8.0
0402CH-5N3 □ -LRH	5.3	Z, U, W, G	100	1770	0.040	35	250	8.0
0402CH-5N4 □ -LRH	5.4	Z, U, W, G	100	1770	0.040	35	250	8.0
0402CH-5N5 □ -LRH	5.5	Z, U, W, G	100	1770	0.040	35	250	8.0
0402CH-5N6 □ -LRH	5.6	Z, U, W, G	100	1770	0.040	35	250	8.0
0402CH-5N7 □ -LRH	5.7	Z, U, W, G	100	1770	0.040	30	250	8.0
0402CH-5N8 □ -LRH	5.8	Z, U, W, G	100	1770	0.040	30	250	8.0
0402CH-5N9 □ -LRH	5.9	Z, U, W, G	100	1770	0.040	30	250	8.0
0402CH-6N0 □ -LRH	6.0	Z, U, W, G	100	1600	0.056	32	250	8.0
0402CH-6N1 □ -LRH	6.1	Z, U, W, G	100	1600	0.056	32	250	8.0
0402CH-6N2 □ -LRH	6.2	Z, U, W, G	100	1600	0.056	33	250	8.0
0402CH-6N3 □ -LRH	6.3	G, J	100	1600	0.057	32	250	7.8
0402CH-6N4 □ -LRH	6.4	G, J	100	1380	0.065	33	250	7.0
0402CH-6N5 □ -LRH	6.5	G, J	100	1380	0.065	32	250	7.0
0402CH-6N6 □ -LRH	6.6	G, J	100	1280	0.078	30	250	7.0

SMD

Leaded

0402CH Series

■ SMD Wire Wound Ceramic Chip Inductors

ELECTRICAL SPECIFICATION

Part Number	Inductance (nH)	Inductance Tolerance	Inductance Test Frequency (MHz)	Rated Current (mA)	Max. of DC Resistance Ω	Q (min.)	Q Test Frequency (MHz)	Self-Resonance Frequency (min.) (GHz)
0402CH-6N6 □ -LRH	6.7	G, J	100	1280	0.078	30	250	7.0
0402CH-6N8 □ -LRH	6.8	G, J	100	1450	0.068	30	250	7.0
0402CH-6N9 □ -LRH	6.9	G, J	100	1420	0.069	32	250	8.5
0402CH-7N0 □ -LRH	7.0	G, J	100	1420	0.069	33	250	8.0
0402CH-7N1 □ -LRH	7.1	G, J	100	1420	0.069	32	250	7.0
0402CH-7N2 □ -LRH	7.2	G, J	100	1700	0.050	32	250	7.0
0402CH-7N3 □ -LRH	7.3	G, J	100	1700	0.050	32	250	7.0
0402CH-7N4 □ -LRH	7.4	G, J	100	1700	0.050	30	250	7.0
0402CH-7N5 □ -LRH	7.5	G, J	100	1700	0.050	35	250	7.0
0402CH-7N6 □ -LRH	7.6	G, J	100	1700	0.050	30	250	7.0
0402CH-7N7 □ -LRH	7.7	G, J	100	1700	0.050	30	250	7.0
0402CH-7N8 □ -LRH	7.8	G, J	100	1700	0.050	30	250	7.0
0402CH-7N9 □ -LRH	7.9	G, J	100	1700	0.050	30	250	7.0
0402CH-8N0 □ -LRH	8.0	G, J	100	1700	0.050	30	250	7.0
0402CH-8N1 □ -LRH	8.1	G, J	100	1500	0.069	32	250	6.5
0402CH-8N2 □ -LRH	8.2	G, J	100	1500	0.069	32	250	6.5
0402CH-8N3 □ -LRH	8.3	G, J	100	1500	0.069	32	250	6.5
0402CH-8N4 □ -LRH	8.4	G, J	100	1500	0.069	32	250	6.5
0402CH-8N5 □ -LRH	8.5	G, J	100	1500	0.069	32	250	6.5
0402CH-8N6 □ -LRH	8.6	G, J	100	1420	0.070	31	250	6.5
0402CH-8N7 □ -LRH	8.7	G, J	100	1420	0.070	31	250	6.5
0402CH-8N8 □ -LRH	8.8	G, J	100	1420	0.070	31	250	6.5
0402CH-8N9 □ -LRH	8.9	G, J	100	1420	0.070	31	250	6.5
0402CH-9N0 □ -LRH	9	G, J	100	1420	0.070	30	250	6.5
0402CH-9N1 □ -LRH	9.1	G, J	100	1400	0.080	32	250	6.5
0402CH-9N2 □ -LRH	9.2	G, J	100	1400	0.081	32	250	6.0
0402CH-9N3 □ -LRH	9.3	G, J	100	1400	0.081	34	250	6.0
0402CH-9N4 □ -LRH	9.4	G, J	100	1400	0.081	33	250	6.0
0402CH-9N5 □ -LRH	9.5	G, J	100	1400	0.081	32	250	6.0
0402CH-9N6 □ -LRH	9.6	G, J	100	1400	0.081	33	250	6.0
0402CH-9N7 □ -LRH	9.7	G, J	100	1400	0.081	33	250	6.0
0402CH-9N8 □ -LRH	9.8	G, J	100	1400	0.081	34	250	6.0
0402CH-9N9 □ -LRH	9.9	G, J	100	1400	0.081	32	250	6.0
0402CH-10N □ -LRH	10	G, J	100	1400	0.081	31	250	6.0
0402CH-11N □ -LRH	11	G, J	100	1400	0.083	32	250	6.2
0402CH-12N □ -LRH	12	G, J	100	1240	0.093	30	250	5.2
0402CH-13N □ -LRH	13	G, J	100	1240	0.093	30	250	5.2
0402CH-14N □ -LRH	14	G, J	100	1150	0.111	31	250	5.2
0402CH-15N □ -LRH	15	G, J	100	1150	0.114	31	250	5.5
0402CH-16N □ -LRH	16	G, J	100	1000	0.126	31	250	5.0
0402CH-17N □ -LRH	17	G, J	100	1000	0.126	30	250	5.0
0402CH-18N □ -LRH	18	G, J	100	1050	0.130	30	250	5.2
0402CH-19N □ -LRH	19	G, J	100	920	0.156	30	250	5.0
0402CH-20N □ -LRH	20	G, J	100	800	0.186	30	250	4.5
0402CH-21N □ -LRH	21	G, J	100	780	0.202	30	250	4.5
0402CH-22N □ -LRH	22	G, J	100	780	0.202	30	250	4.5
0402CH-23N □ -LRH	23	G, J	100	760	0.201	29	250	4.5
0402CH-24N □ -LRH	24	G, J	100	770	0.212	31	250	4
0402CH-25N □ -LRH	25	G, J	100	750	0.221	31	250	4.1
0402CH-26N □ -LRH	26	G, J	100	720	0.282	29	250	4.1
0402CH-27N □ -LRH	27	G, J	100	680	0.288	30	250	4
0402CH-30N □ -LRH	30	G, J	100	660	0.309	30	250	3.8
0402CH-33N □ -LRH	33	G, J	100	620	0.336	30	250	3.6
0402CH-36N □ -LRH	36	G, J	100	540	0.431	30	250	3.5
0402CH-39N □ -LRH	39	G, J	100	530	0.456	28	250	3.4
0402CH-43N □ -LRH	43	G, J	100	515	0.516	30	250	3.4
0402CH-47N □ -LRH	47	G, J	100	440	0.648	25	200	3.2
0402CH-51N □ -LRH	51	G, J	100	415	0.696	25	200	2.9
0402CH-53N □ -LRH	53	G, J	100	415	0.696	25	200	2.9

SMD

Leaded

0402CH Series

■ SMD Wire Wound Ceramic Chip Inductors

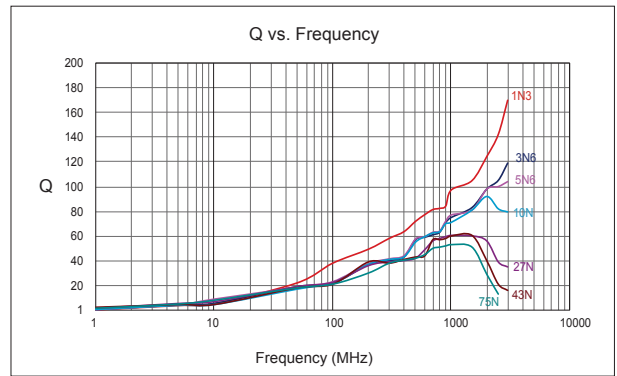
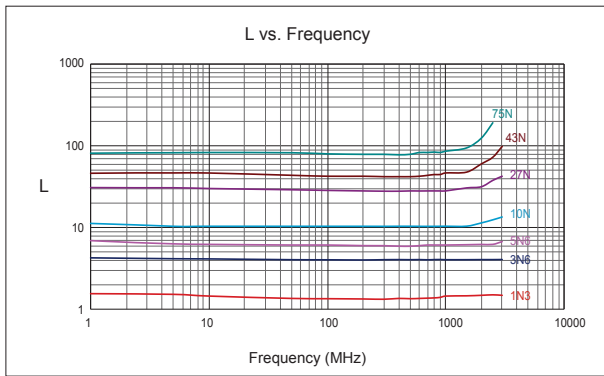
ELECTRICAL SPECIFICATION

Part Number	Inductance (nH)	Inductance Tolerance	Inductance Test Frequency (MHz)	Rated Current (mA)	Max. of DC Resistance Ω	Q (min.)	Q Test Frequency (MHz)	Self-Resonance Frequency (min.) (GHz)
0402CH-56N □ -LRH	56	G, J	100	340	0.996	25	200	2.9
0402CH-68N □ -LRH	68	G, J	100	320	1.128	25	200	2.5
0402CH-75N □ -LRH	75	G, J	100	320	1.224	25	200	2.4

- Tolerance: J=±5% ; G=±2% ; W=±0.5nH ; U=±0.2nH ; Z=±0.1nH
- Operating Temp: -40°C to +125°C
- For 15°C Temperature Rise.
- Inductance & Q measured using the 4287A with 16197A
- SRF measured using the HP 8753E/HP4291B with 16193A/ENA5071C or its equivalent.
- DCR measured using the AGILENT zentech 502BC or its equivalent.
- Unspecified values available on request.

CHARACTERISTIC CURVE

0402CH Series



SMD

Leaded