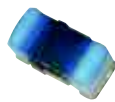


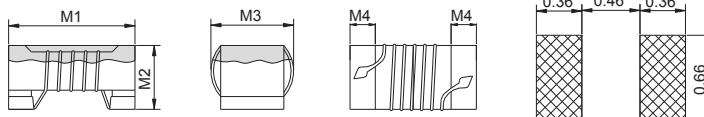
0402CF Series

■ SMD Wire Wound Ceramic Chip Inductors

MECHANICAL DIMENSIONS



0402CF



Recommended Patterns

unit: mm

Part Number	M1	M2	M3	M4
0402CF	1.0±0.1	0.5±0.1	0.5±0.1 24~120nH 0.6±0.1 1.5~23nH	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)
0402CF-1N5 □ -LRH	1.5	Z, U, W	100	1000	0.03	10	250	18.0
0402CF-1N6 □ -LRH	1.6	U, W	100	750	0.07	10	250	17.0
0402CF-1N7 □ -LRH	1.7	U, W	100	640	0.10	10	250	17.0
0402CF-1N8 □ -LRH	1.8	U, W	100	460	0.16	10	250	16.0
0402CF-2N4 □ -LRH	2.4	Z, U, W	100	850	0.05	20	250	15.0
0402CF-2N5 □ -LRH	2.5	Z, U, W	100	850	0.05	20	250	15.0
0402CF-2N6 □ -LRH	2.6	Z, U, W	100	850	0.05	20	250	15.0
0402CF-2N7 □ -LRH	2.7	Z, U, W	100	850	0.05	20	250	15.0
0402CF-2N8 □ -LRH	2.8	Z, U, W	100	850	0.05	20	250	15.0
0402CF-2N9 □ -LRH	2.9	Z, U, W	100	750	0.07	20	250	15.0
0402CF-3N0 □ -LRH	3.0	Z, U, W	100	750	0.07	20	250	15.0
0402CF-3N1 □ -LRH	3.1	Z, U, W	100	570	0.13	20	250	14.0
0402CF-3N2 □ -LRH	3.2	Z, U, W	100	500	0.17	15	250	14.0
0402CF-3N9 □ -LRH	3.9	Z, U, W	100	750	0.07	25	250	10.0
0402CF-4N1 □ -LRH	4.1	Z, U, W	100	750	0.07	25	250	10.0
0402CF-4N3 □ -LRH	4.3	Z, U, W	100	750	0.07	25	250	10.0
0402CF-4N4 □ -LRH	4.4	Z, U, W	100	750	0.07	25	250	8.0
0402CF-4N5 □ -LRH	4.5	Z, U, W	100	750	0.07	25	250	8.0
0402CF-4N6 □ -LRH	4.6	Z, U, W	100	750	0.07	25	250	8.0
0402CF-4N7 □ -LRH	4.7	Z, U, W	100	750	0.07	25	250	8.0
0402CF-4N8 □ -LRH	4.8	Z, U, W	100	750	0.07	25	250	8.0
0402CF-4N9 □ -LRH	4.9	Z, U, W	100	600	0.12	25	250	8.0
0402CF-5N0 □ -LRH	5.0	Z, U, W	100	600	0.12	25	250	8.0
0402CF-5N1 □ -LRH	5.1	Z, U, W	100	600	0.12	25	250	8.0
0402CF-5N8 □ -LRH	5.8	Z, U, W	100	700	0.12	25	250	8.0
0402CF-6N2 □ -LRH	6.2	Z, U, W	100	700	0.09	25	250	8.0
0402CF-6N3 □ -LRH	6.3	Z, U, W	100	700	0.09	25	250	6.0
0402CF-6N4 □ -LRH	6.4	Z, U, W	100	700	0.09	25	250	6.0
0402CF-6N5 □ -LRH	6.5	Z, U, W	100	700	0.09	25	250	6.0
0402CF-6N6 □ -LRH	6.6	Z, U, W	100	700	0.09	25	250	6.0
0402CF-6N7 □ -LRH	6.7	Z, U, W	100	700	0.09	25	250	6.0
0402CF-6N8 □ -LRH	6.8	G, H, J	100	700	0.09	25	250	6.0
0402CF-6N9 □ -LRH	6.9	G, H, J	100	570	0.13	25	250	6.0
0402CF-7N0 □ -LRH	7.0	G, H, J	100	570	0.13	25	250	6.0
0402CF-7N1 □ -LRH	7.1	G, H, J	100	570	0.13	25	250	6.0
0402CF-7N2 □ -LRH	7.2	G, H, J	100	570	0.13	25	250	6.0
0402CF-7N3 □ -LRH	7.3	G, H, J	100	570	0.13	25	250	6.0
0402CF-7N5 □ -LRH	7.5	G, H, J	100	570	0.13	25	250	6.0
0402CF-8N2 □ -LRH	8.2	G, H, J	100	540	0.14	25	250	5.5
0402CF-8N6 □ -LRH	8.6	G, H, J	100	540	0.14	25	250	5.5
0402CF-8N7 □ -LRH	8.7	G, H, J	100	540	0.14	25	250	5.5
0402CF-8N8 □ -LRH	8.8	G, H, J	100	540	0.14	25	250	5.5
0402CF-8N9 □ -LRH	8.9	G, H, J	100	540	0.14	25	250	5.5
0402CF-9N0 □ -LRH	9.0	G, H, J	100	540	0.14	25	250	5.5
0402CF-9N1 □ -LRH	9.1	G, H, J	100	540	0.14	25	250	5.5
0402CF-9N2 □ -LRH	9.2	G, H, J	100	540	0.14	25	250	5.5
0402CF-9N3 □ -LRH	9.3	G, H, J	100	540	0.14	25	250	5.5

SMD

Leaded

0402CF 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)
0402CF-9N4 □ -LRH	9.4	G, H, J	100	540	0.14	25	250	5.5
0402CF-9N5 □ -LRH	9.5	G, H, J	100	540	0.14	25	250	5.5
0402CF-9N6 □ -LRH	9.6	G, H, J	100	540	0.14	25	250	5.5
0402CF-9N7 □ -LRH	9.7	G, H, J	100	540	0.14	25	250	5.5
0402CF-9N8 □ -LRH	9.8	G, H, J	100	540	0.14	25	250	5.5
0402CF-9N9 □ -LRH	9.9	G, H, J	100	540	0.14	25	250	5.5
0402CF-10N □ -LRH	10	G, H, J	100	500	0.17	25	250	5.5
0402CF-11N □ -LRH	11	G, H, J	100	500	0.14	30	250	5.5
0402CF-12N □ -LRH	12	G, H, J	100	500	0.14	30	250	5.5
0402CF-13N □ -LRH	13	G, H, J	100	430	0.21	25	250	5.0
0402CF-15N □ -LRH	15	G, H, J	100	460	0.16	30	250	5.0
0402CF-16N □ -LRH	16	G, H, J	100	370	0.24	25	250	4.5
0402CF-18N □ -LRH	18	G, H, J	100	370	0.27	25	250	4.5
0402CF-19N □ -LRH	19	G, H, J	100	370	0.27	25	250	4.5
0402CF-20N □ -LRH	20	G, H, J	100	370	0.27	25	250	4.0
0402CF-22N □ -LRH	22	G, H, J	100	310	0.30	25	250	4.0
0402CF-23N □ -LRH	23	G, H, J	100	310	0.30	25	250	3.8
0402CF-24N □ -LRH	24	G, H, J	100	280	0.52	25	250	3.5
0402CF-27N □ -LRH	27	G, H, J	100	280	0.52	25	250	3.5
0402CF-30N □ -LRH	30	G, H, J	100	270	0.58	25	250	3.3
0402CF-33N □ -LRH	33	G, H, J	100	260	0.63	25	250	3.2
0402CF-36N □ -LRH	36	G, H, J	100	260	0.63	25	250	3.1
0402CF-39N □ -LRH	39	G, H, J	100	250	0.70	25	250	3.0
0402CF-40N □ -LRH	40	G, H, J	100	250	0.70	25	250	3.0
0402CF-43N □ -LRH	43	G, H, J	100	250	0.70	25	250	3.0
0402CF-47N □ -LRH	47	G, H, J	100	210	1.08	25	200	2.9
0402CF-51N □ -LRH	51	G, H, J	100	210	1.08	25	200	2.85
0402CF-56N □ -LRH	56	G, H, J	100	200	1.17	25	200	2.8
0402CF-62N □ -LRH	62	G, H, J	100	145	1.82	20	200	2.6
0402CF-68N □ -LRH	68	G, J	100	140	1.96	20	200	2.5
0402CF-72N □ -LRH	72	G, J	100	135	2.10	20	150	2.5
0402CF-75N □ -LRH	75	G, J	100	135	2.10	20	150	2.4
0402CF-82N □ -LRH	82	G, J	100	130	2.24	20	150	2.3
0402CF-91N □ -LRH	91	G, J	100	125	2.38	20	150	2.1
0402CF-R10 □ -LRH	100	J	100	120	2.52	20	150	1.5
0402CF-R12 □ -LRH	120	J	100	110	2.66	20	150	1.0

- Tolerance: J=±5% ; H=±3% ; 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

0402CF Series

