

CTLL1005SF Series From 1.0nH to 360nH



CHARACTERISTICS

Description: SMD ceramic core, multi-layer chip inductor for high frequency.

Applications: Cellular telephones, bluetooth, computer communications, radar detectors, automotive electronics, WLAN, UWB, digital TV tuners, keyless remotes and miscellaneous high-frequency circuits.

Operating Temperature: -55°C to +125°C

Inductance Tolerances: B = $\pm 0.1\text{nH}$, C = $\pm 0.2\text{nH}$, S = $\pm 0.1\text{nH}$, H = $\pm 3\%$, J = 5%, K = $\pm 10\%$

Packaging: Tape & Reel.

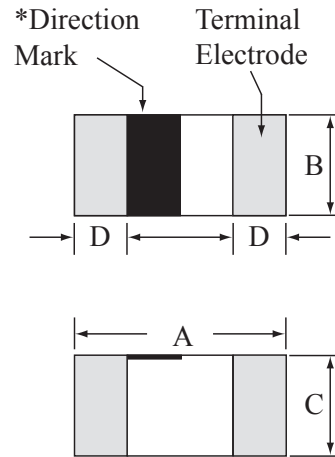
Miscellaneous: RoHS Compliant.

Additional Information: Additional electrical & physical information available upon request.

Samples available. See website for ordering information.

PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	1.00 \pm 0.15	0.50 \pm 0.15	0.50 \pm 0.15	0.25 \pm 0.10
inches	0.04 \pm 0.006	0.02 \pm 0.006	0.02 \pm 0.006	0.010 \pm 0.004



*Values 12nH ~ 360nH supplied with or without direction mark.

Multi-layer Chip Inductors - Ceramic

www.ctparts.com

SPECIFICATIONS

Please specify tolerance code when ordering.

CTLL1005SF-1N0_ ← B = ±0.1nH, C = ±0.2nH, S = ±0.3nH, H = ±3%, J = ±5%, K = ±10%

Part Number	Inductance (nH)	Available Tolerance	Q Min.	Test Freq. (MHz)	Test Voltage (mV)	SRF Min. (GHz)	DCR Max. (Ω)	IDC Max. (mA)
CTLL1005SF-1N0_	1.0	±0.1nH, ±0.2nH, ±0.3nH	8	100	50	10.00	0.06	1000
CTLL1005SF-1N1_	1.1	±0.1nH, ±0.2nH, ±0.3nH	8	100	50	10.00	0.07	1000
CTLL1005SF-1N2_	1.2	±0.1nH, ±0.2nH, ±0.3nH	8	100	50	10.00	0.07	1000
CTLL1005SF-1N3_	1.3	±0.1nH, ±0.2nH, ±0.3nH	8	100	50	10.00	0.07	1000
CTLL1005SF-1N5_	1.5	±0.1nH, ±0.2nH, ±0.3nH	8	100	50	6.00	0.08	1000
CTLL1005SF-1N6_	1.6	±0.1nH, ±0.2nH, ±0.3nH	8	100	50	6.00	0.08	1000
CTLL1005SF-1N8_	1.8	±0.1nH, ±0.2nH, ±0.3nH	8	100	50	6.00	0.08	900
CTLL1005SF-2N0_	2.0	±0.1nH, ±0.2nH, ±0.3nH	8	100	50	6.00	0.09	900
CTLL1005SF-2N2_	2.2	±0.1nH, ±0.2nH, ±0.3nH	8	100	50	6.00	0.09	900
CTLL1005SF-2N4_	2.4	±0.1nH, ±0.2nH, ±0.3nH	8	100	50	6.00	0.10	800
CTLL1005SF-2N7_	2.7	±0.1nH, ±0.2nH, ±0.3nH	8	100	50	6.00	0.12	800
CTLL1005SF-3N0_	3.0	±0.1nH, ±0.2nH, ±0.3nH	8	100	50	6.00	0.12	800
CTLL1005SF-3N3_	3.3	±0.1nH, ±0.2nH, ±0.3nH	8	100	50	6.00	0.13	800
CTLL1005SF-3N6_	3.6	±0.1nH, ±0.2nH, ±0.3nH	8	100	50	4.00	0.15	700
CTLL1005SF-3N9_	3.9	±0.1nH, ±0.2nH, ±0.3nH	8	100	50	4.00	0.16	700
CTLL1005SF-4N3_	4.3	±0.1nH, ±0.2nH, ±0.3nH	8	100	50	4.00	0.16	700
CTLL1005SF-4N7_	4.7	±0.1nH, ±0.2nH, ±0.3nH	8	100	50	4.00	0.16	700
CTLL1005SF-5N1_	5.1	±0.1nH, ±0.2nH, ±0.3nH	8	100	50	4.00	0.16	600
CTLL1005SF-5N6_	5.6	±0.1nH, ±0.2nH, ±0.3nH	8	100	50	4.00	0.20	600
CTLL1005SF-6N2_	6.2	±0.1nH, ±0.2nH, ±0.3nH	8	100	50	3.90	0.20	600
CTLL1005SF-6N8_	6.8	±3%, ±5%, ±10%	8	100	50	3.90	0.20	600
CTLL1005SF-7N5_	7.5	±3%, ±5%, ±10%	8	100	50	3.70	0.24	500
CTLL1005SF-8N2_	8.2	±3%, ±5%, ±10%	8	100	50	3.60	0.24	500
CTLL1005SF-9N1_	9.1	±3%, ±5%, ±10%	8	100	50	3.40	0.26	500
CTLL1005SF-10N_	10	±3%, ±5%, ±10%	8	100	50	3.20	0.26	500
CTLL1005SF-12N_	12	±3%, ±5%, ±10%	8	100	50	2.70	0.50	400
CTLL1005SF-15N_	15	±3%, ±5%, ±10%	8	100	50	2.30	0.50	400
CTLL1005SF-18N_	18	±3%, ±5%, ±10%	8	100	50	2.10	0.60	350
CTLL1005SF-20N_	20	±3%, ±5%, ±10%	8	100	50	2.00	0.60	350
CTLL1005SF-22N_	22	±3%, ±5%, ±10%	8	100	50	1.90	0.60	350
CTLL1005SF-27N_	27	±3%, ±5%, ±10%	8	100	50	1.60	0.70	300
CTLL1005SF-33N_	33	±3%, ±5%, ±10%	8	100	50	1.30	0.80	300
CTLL1005SF-39N_	39	±3%, ±5%, ±10%	8	100	50	1.20	1.00	250
CTLL1005SF-43N_	43	±3%, ±5%, ±10%	8	100	50	1.10	1.10	250
CTLL1005SF-47N_	47	±3%, ±5%, ±10%	8	100	50	1.00	1.10	250
CTLL1005SF-56N_	56	±3%, ±5%, ±10%	8	100	50	0.75	1.20	200
CTLL1005SF-68N_	68	±3%, ±5%, ±10%	8	100	50	0.75	1.40	200
CTLL1005SF-82N_	82	±3%, ±5%, ±10%	8	100	50	0.75	1.60	200
CTLL1005SF-91N_	91	±3%, ±5%, ±10%	8	100	50	0.70	1.80	200
CTLL1005SF-R10_	100	±3%, ±5%, ±10%	8	100	50	0.70	2.00	200
CTLL1005SF-R12_	120	±3%, ±5%, ±10%	8	100	50	0.60	2.50	150
CTLL1005SF-R15_	150	±3%, ±5%, ±10%	8	100	50	0.55	3.00	150
CTLL1005SF-R18_	180	±3%, ±5%, ±10%	8	100	50	0.50	3.50	150
CTLL1005SF-R22_	220	±3%, ±5%, ±10%	8	100	50	0.45	3.70	100
CTLL1005SF-R27_	270	±3%, ±5%, ±10%	8	100	50	0.40	4.50	100
CTLL1005SF-R33_	330	±3%, ±5%, ±10%	6	50	50	0.35	5.00	80
CTLL1005SF-R36_	360	±3%, ±5%, ±10%	6	50	50	0.30	6.00	80