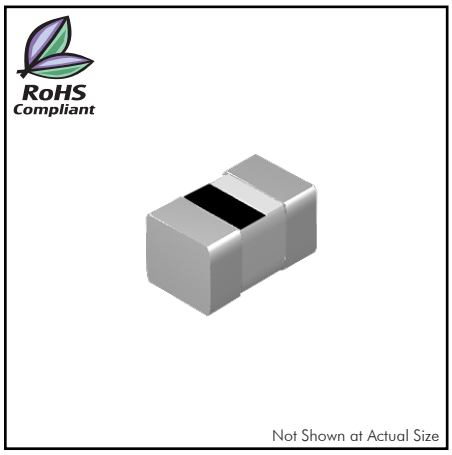
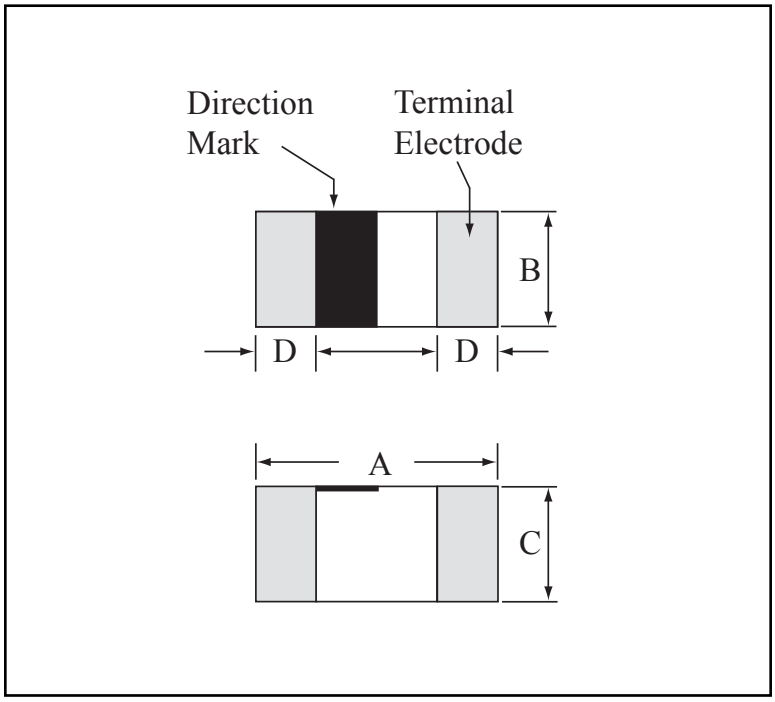
CTLL1005SF Series
From 1.0nH to 330nH



PHYSICAL DIMENSIONS

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



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 Tolerance: ±0.3nH, ±5%, ±10%
Packaging: Tape & Reel.
Miscellaneous: RoHS Compliant.
Additional Information: Additional electrical & physical information available upon request.
Samples available. See website for ordering information.

SPECIFICATIONS

Please specify tolerance code when ordering.
CTLL1005SF-6N8_ ← S = ±0.3nH, J = ±5%, K = ±10%

Part Number	Inductance (nH)	Available Tolerance	Q Min.	Test Freq. (MHz)	Q Typ. @ 100MHz	Q Typ. @ 800MHz	Q Typ. @ 1000MHz	SRF Min. (GHz)	DCR Max. (Ω)	IDC Max. (mA)
CTLL1005SF-1N0S	1.0	±0.3nH	8	100	11	34	36	10.00	0.10	400
CTLL1005SF-1N1S	1.1	±0.3nH	8	100	11	34	36	10.00	0.10	400
CTLL1005SF-1N2S	1.2	±0.3nH	8	100	11	34	36	10.00	0.10	400
CTLL1005SF-1N3S	1.3	±0.3nH	8	100	11	34	36	10.00	0.10	400
CTLL1005SF-1N5S	1.5	±0.3nH	8	100	11	34	36	6.00	0.10	300
CTLL1005SF-1N6S	1.6	±0.3nH	8	100	11	32	35	6.00	0.10	300
CTLL1005SF-1N8S	1.8	±0.3nH	8	100	11	30	34	6.00	0.10	300
CTLL1005SF-2N0S	2.0	±0.3nH	8	100	10	29	33	6.00	0.20	300
CTLL1005SF-2N2S	2.2	±0.3nH	8	100	10	29	33	6.00	0.20	300
CTLL1005SF-2N4S	2.4	±0.3nH	8	100	10	29	32	6.00	0.20	300
CTLL1005SF-2N7S	2.7	±0.3nH	8	100	10	29	32	6.00	0.20	300
CTLL1005SF-3N0S	3.0	±0.3nH	8	100	10	29	32	6.00	0.20	300
CTLL1005SF-3N3S	3.3	±0.3nH	8	100	10	29	32	6.00	0.20	300
CTLL1005SF-3N6S	3.6	±0.3nH	8	100	10	28	31	4.00	0.20	300
CTLL1005SF-3N9S	3.9	±0.3nH	8	100	10	28	31	4.00	0.20	300
CTLL1005SF-4N3S	4.3	±0.3nH	8	100	10	28	31	4.00	0.20	300
CTLL1005SF-4N7S	4.7	±0.3nH	8	100	10	28	31	4.00	0.20	300
CTLL1005SF-5N1S	5.1	±0.3nH	8	100	10	28	30	4.00	0.30	300
CTLL1005SF-5N6S	5.6	±0.3nH	8	100	10	28	30	4.00	0.30	300
CTLL1005SF-6N2S	6.2	±0.3nH	8	100	10	27	30	3.90	0.30	300
CTLL1005SF-6N8_	6.8	±5%, ±10%	8	100	10	27	30	3.90	0.30	300
CTLL1005SF-7N5_	7.5	±5%, ±10%	8	100	10	27	30	3.70	0.40	300
CTLL1005SF-8N2_	8.2	±5%, ±10%	8	100	10	27	30	3.60	0.40	300
CTLL1005SF-9N1_	9.1	±5%, ±10%	8	100	10	27	30	3.40	0.40	300
CTLL1005SF-10N_	10	±5%, ±10%	8	100	10	27	30	3.20	0.40	300
CTLL1005SF-12N_	12	±5%, ±10%	8	100	10	26	29	2.70	0.50	300
CTLL1005SF-15N_	15	±5%, ±10%	8	100	10	26	28	2.30	0.50	300
CTLL1005SF-18N_	18	±5%, ±10%	8	100	10	25	27	2.10	0.60	300
CTLL1005SF-20N_	20	±5%, ±10%	8	100	10	25	26	2.00	0.60	300
CTLL1005SF-22N_	22	±5%, ±10%	8	100	10	25	25	1.90	0.60	300
CTLL1005SF-27N_	27	±5%, ±10%	8	100	10	25	23	1.60	0.70	300
CTLL1005SF-33N_	33	±5%, ±10%	8	100	10	22	22	1.30	0.80	200
CTLL1005SF-39N_	39	±5%, ±10%	8	100	10	22	19	1.20	1.00	200
CTLL1005SF-43N_	43	±5%, ±10%	8	100	10	21	16	1.10	1.10	200
CTLL1005SF-47N_	47	±5%, ±10%	8	100	10	21	16	1.00	1.10	200
CTLL1005SF-56N_	56	±5%, ±10%	8	100	10	18	13	0.75	1.20	200
CTLL1005SF-68N_	68	±5%, ±10%	8	100	10	18	9	0.75	1.40	180
CTLL1005SF-82N_	82	±5%, ±10%	8	100	10	13	-	0.75	2.40	150
CTLL1005SF-R10_	100	±5%, ±10%	8	100	10	12	-	0.70	2.60	150
CTLL1005SF-R12_	120	±5%, ±10%	8	100	10	-	-	0.60	2.80	150
CTLL1005SF-R15_	150	±5%, ±10%	8	100	10	-	-	0.55	3.20	100
CTLL1005SF-R18_	180	±5%, ±10%	8	100	10	-	-	0.50	3.70	100
CTLL1005SF-R22_	220	±5%, ±10%	8	100	12	-	-	0.45	4.00	100
CTLL1005SF-R27_	270	±5%, ±10%	8	100	12	-	-	0.40	4.50	100
CTLL1005SF-R33_	330	±5%, ±10%	6	50	-	-	-	0.35	7.00	50