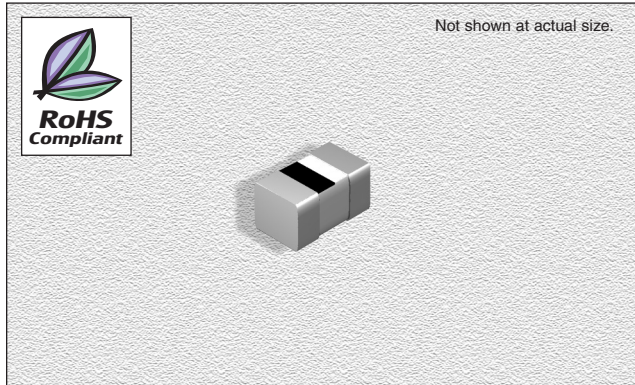


CTLH1005F Series

From 1.0 nH to 100 nH



CHARACTERISTICS

Description: Ceramic core, multi-layer chip inductor for high frequency applications

Applications: RF Resonance and Impedance Matching Circuit. RF and wireless communication. Information technology equipment, computers, telecommunications, radar detectors, automotive electronics, cellular phones, pagers, PDAs, keyless remote systems. Use in L-C filter configurations.

Temperature Coefficient: +250ppm/°C

Operating Temperature: -40°C to + 100°C

Inductance Tolerance: ±0.3 nH, ±5% & ±10%

Testing: Inductance and Q are tested on an HP4286A at specified frequency

Packaging: Tape & Reel

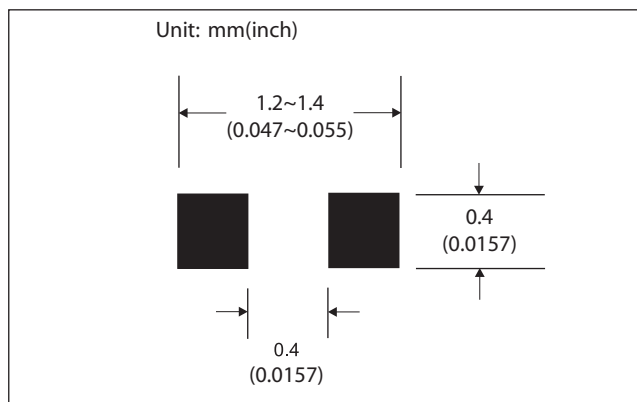
Marking: Reels marked with inductance code and tolerance

Miscellaneous: RoHS Compliant

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

PAD LAYOUT



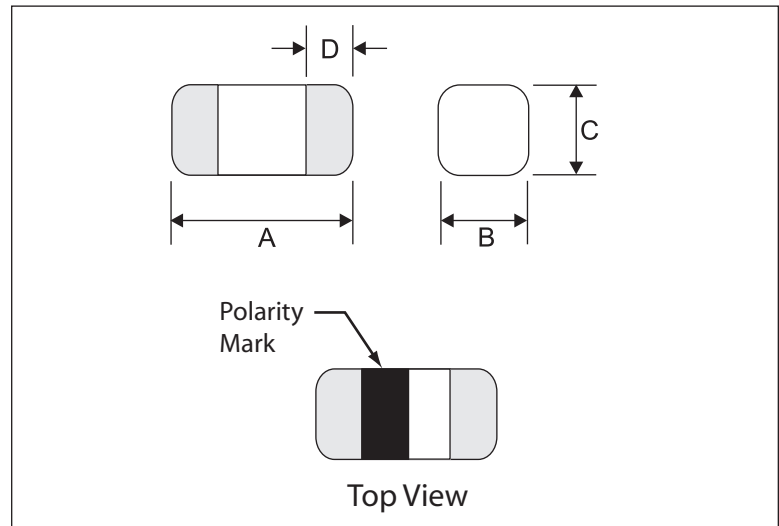
SPECIFICATIONS

Please specify tolerance code when ordering.
 CTLH1005F-5N6_ ← S = ±0.3nH, J = ±5%, K = ±10%
 * S or K only, ** J or K only

Part Number	Inductance at 100MHz (nH)	Q Min. at (MHz) 100	Q Typ. at (MHz) 100	Q Typ. at (MHz) 800	SRF Typ. (MHz)	DCR Max. (Ω)	IDC Max. (mA)
CTLH1005F-1N0S	1.0	8	9	28	10000	.10	400
CTLH1005F-1N2S	1.2	8	9	28	10000	.10	400
CTLH1005F-1N5S	1.5	8	10	28	9000	.10	400
CTLH1005F-1N8S	1.8	8	10	28	8700	.10	400
CTLH1005F-2N0S	2.0	8	10	29	8100	.15	400
CTLH1005F-2N2S	2.2	8	10	29	8100	.15	400
CTLH1005F-2N7S	2.7	8	11	30	7700	.15	400
CTLH1005F-3N3_*	3.3	8	11	30	6300	.15	400
CTLH1005F-3N9_*	3.9	8	11	31	6100	.20	400
CTLH1005F-4N7_*	4.7	8	11	31	5400	.20	400
CTLH1005F-5N6_*	5.6	8	11	31	5100	.20	400
CTLH1005F-6N8_**	6.8	8	11	33	4550	.25	400
CTLH1005F-8N2_**	8.2	8	12	32	4100	.30	300
CTLH1005F-10N_**	10	8	12	32	3900	.35	300
CTLH1005F-12N_**	12	8	12	31	3000	.40	300
CTLH1005F-15N_**	15	8	12	30	2600	.50	300
CTLH1005F-18N_**	18	8	12	29	2350	.55	300
CTLH1005F-22N_**	22	8	12	28	2000	.70	300
CTLH1005F-27N_**	27	8	12	27	1900	.80	300
CTLH1005F-33N_**	33	8	10	25	1700	1.0	200
CTLH1005F-39N_**	39	8	10	25	1600	1.2	150
CTLH1005F-47N_**	47	8	10	22	1300	1.3	150
CTLH1005F-56N_**	56	8	10	21	1250	2.0	150
CTLH1005F-68N_**	68	8	10	19	1000	2.2	100
CTLH1005F-82N_**	82	8	10	16	900	2.5	100
CTLH1005F-R10_**	100	8	10	10	850	2.5	100

PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	1.0±0.10	0.5±0.10	0.5±0.10	0.25±0.10
inches	0.04±0.004	0.02±0.004	0.02±0.004	0.01±0.004



05.15.07