CTHC1210SF Series

From 1.0µH to 100µH

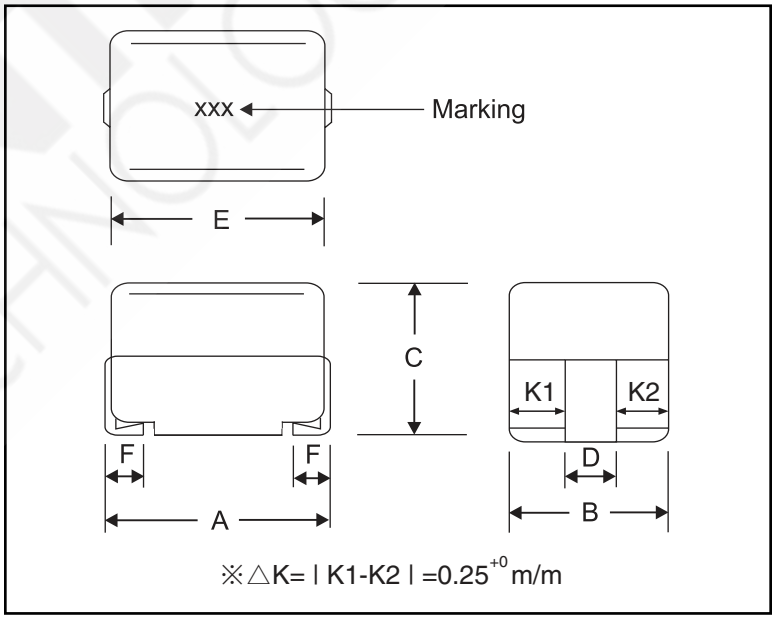
SPECIFICATIONS

Please specify tolerance code when ordering.
CTHC1210SF-1R0_ ← J = ±5%, K = ±10%, M = ±20%

Part Number	Inductance (µH)	L/Q Test Freq. (MHz)	Q Fact. Min.	SRF Typ. (MHz)	DCR Max. (Ω)	Rated DC Max. (mA)
CTHC1210SF-1R0_	1.0	7.96	10	145	0.156	770
CTHC1210SF-1R5_	1.5	7.96	10	100	0.195	580
CTHC1210SF-2R2_	2.2	7.96	10	80	0.260	480
CTHC1210SF-3R3_	3.3	7.96	10	60	0.325	400
CTHC1210SF-4R7_	4.7	7.96	10	50	0.520	320
CTHC1210SF-6R8_	6.8	7.96	10	40	0.650	280
CTHC1210SF-100_	10	2.52	15	30	1.105	220
CTHC1210SF-150_	15	2.52	15	27	1.690	180
CTHC1210SF-220_	22	2.52	15	22	2.600	145
CTHC1210SF-270_	27	2.52	15	19	3.000	125
CTHC1210SF-330_	33	2.52	15	17	3.640	115
CTHC1210SF-470_	47	2.52	20	15	5.460	105
CTHC1210SF-680_	68	2.52	20	11	8.450	85
CTHC1210SF-820_	82	2.52	20	10	8.710	80
CTHC1210SF-101_	100	0.796	20	9	10.140	75

PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F
mm	3.2±0.4	2.50±0.2	2.20±0.2	1.00±0.2	2.90±0.2	$0.60^{+0.3}_{-0.0}$
inches	0.13±0.016	0.10±0.008	0.09±0.008	0.04±0.008	0.11±0.008	$0.02^{+0.01}_{-0.0}$

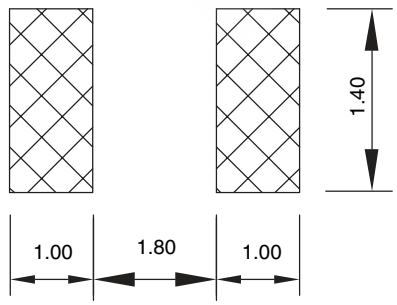


CHARACTERISTICS

Description: Ferrite core, wire-wound chip inductor
Applications: TV's, mobile phones, disk drives, computer peripherals, telecommunication devices, and electronic control boards for automobiles
Inductance Tolerance: ±5%, ±10%, ±20%
Moisture Sensitivity Level (MSL): 1
Operating Temperature: -40°C to 125°C (Temp. rise included)
Storage Temperature: -40°C to 125°C
Terminal Pull Strength: 1.5kg min.
Rated Current: Current cause inductance drop within 10%
Resistance to Solder Heat: 260°C .10 secs.
Resistance to Solvent: Per MIL-STD-202F
Packaging: Tape & Reel
Part Marking: Inductance code or inductance code plus tolerance
Miscellaneous: RoHS compliant
Samples available. See website for ordering information.

PAD LAYOUT

Unit: mm



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