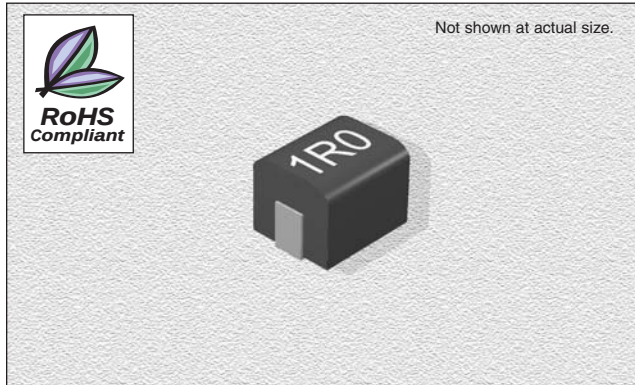


CTMC1210HF Series

From 1.0 μH to 100 μH



CHARACTERISTICS

Description: Ferrite core, wire-wound molded chip inductor

Applications: Digital TVs, DVD, MP3 players, computer peripherals, telecommunication devices, battery chargers & electronic game devices.

Operating Temperature: -30°C to +100°C

Inductance Tolerance: $\pm 5\%$, $\pm 10\%$ & $\pm 20\%$

Testing: Inductance and Q are tested on a HP4285A or a HP4286A at a specified frequency

Packaging: Tape & Reel

Part Marking: Inductance code or inductance code plus tolerance.

Miscellaneous: RoHS Compliant.

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

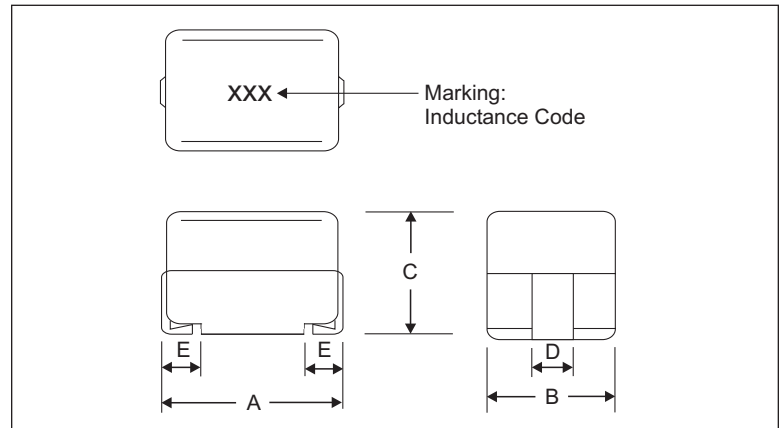
SPECIFICATIONS

Please specify tolerance code when ordering.
CTMC1210HF-1R0_ ← J = $\pm 5\%$, K = $\pm 10\%$, M = $\pm 20\%$
Rated Current to cause inductance drop within 10%

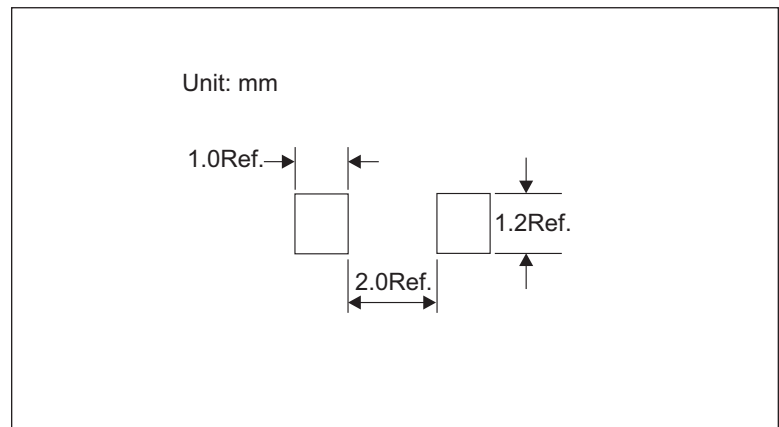
Part Number	Inductance (μH)	L Test Freq. (MHz)	Q Fact. Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	IDC Max. (mA)
CTMC1210HF-1R0_	1.0	7.96	10	7.96	100	0.156	770
CTMC1210HF-1R5_	1.5	7.96	10	7.96	80	0.195	580
CTMC1210HF-1R8_	1.8	7.96	10	7.96	70	0.230	530
CTMC1210HF-2R2_	2.2	7.96	10	7.96	65	0.260	480
CTMC1210HF-3R3_	3.3	7.96	10	7.96	55	0.325	400
CTMC1210HF-4R7_	4.7	7.96	10	7.96	45	0.520	320
CTMC1210HF-6R8_	6.8	7.96	10	7.96	35	0.650	280
CTMC1210HF-100_	10	2.52	15	2.52	28	1.105	220
CTMC1210HF-150_	15	2.52	15	2.52	25	1.690	180
CTMC1210HF-220_	22	2.52	15	2.52	20	2.600	145
CTMC1210HF-330_	33	2.52	15	2.52	15	3.640	115
CTMC1210HF-470_	47	2.52	20	2.52	13	5.460	105
CTMC1210HF-680_	68	2.52	20	2.52	10	6.00	85
CTMC1210HF-101_	100	0.796	20	0.796	8	7.00	75

PHYSICAL DIMENSIONS

Size	A	B	C	D REF.	E REF.
mm	3.2 $\pm$ 0.4	2.5 $\pm$ 0.2	2.2 $\pm$ 0.2	1.0	0.6
inches	0.13 $\pm$ 0.016	0.10 $\pm$ 0.008	0.09 $\pm$ 0.008	0.04	0.02



PAD LAYOUT



05.31.07