CTMC1210HF Series

From 0.15 µH to 330 µH

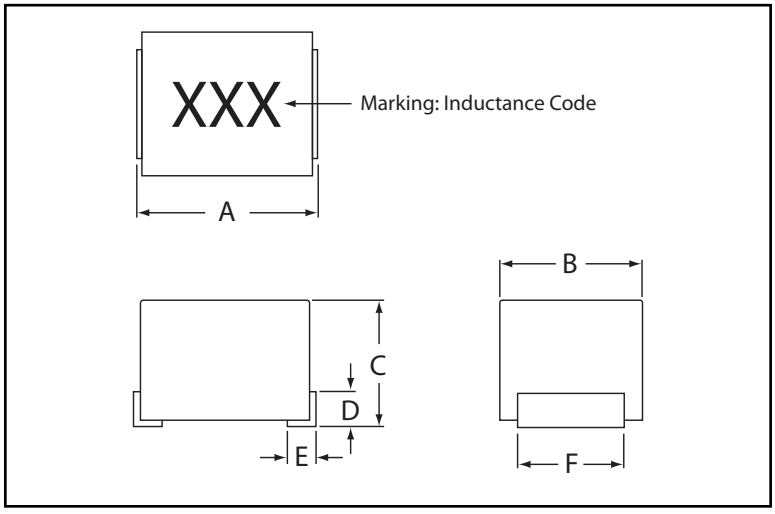
SPECIFICATIONS

Please specify tolerance code when ordering.
CTMC1210HF-R15_ ← J = ±5%, K = ±10%, M = ±20%
Rated Current to cause inductance drop within 10%

Part Number	Inductance (µH)	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	IDC Max. (mA)
CTMC1210HF-R15_	0.15	5	25.2	400	0.25	750
CTMC1210HF-R22_	0.22	5	25.2	250	0.30	750
CTMC1210HF-R47_	0.47	5	25.2	150	0.30	750
CTMC1210HF-1R0_	1.00	10	7.96	100	0.30	750
CTMC1210HF-1R5_	1.50	10	7.96	80	0.30	700
CTMC1210HF-2R2_	2.20	10	7.96	68	0.33	600
CTMC1210HF-3R3_	3.30	10	7.96	54	0.35	500
CTMC1210HF-4R7_	4.70	10	7.96	46	0.45	430
CTMC1210HF-6R8_	6.80	15	7.96	38	0.50	360
CTMC1210HF-100_	10.0	15	2.52	30	0.80	300
CTMC1210HF-150_	15.0	15	2.52	26	1.60	250
CTMC1210HF-220_	22.0	15	2.52	21	2.20	210
CTMC1210HF-330_	33.0	15	2.52	17	2.80	170
CTMC1210HF-470_	47.0	15	2.52	14	3.20	150
CTMC1210HF-560_	56.0	15	2.52	13	5.00	120
CTMC1210HF-680_	68.0	15	2.52	12	5.00	120
CTMC1210HF-820_	82.0	15	2.52	10	6.50	110
CTMC1210HF-101_	100	15	0.796	10	7.50	100
CTMC1210HF-151_	150	20	0.796	7	11	85
CTMC1210HF-221_	220	20	0.796	6	14	70
CTMC1210HF-331_	330	20	0.796	5	21	60

PHYSICAL DIMENSIONS

Size	A	B	C	D	E Min.	F
mm	3.2±0.3	2.5±0.2	2.2±0.2	0.6	0.2	1.9±0.1
inches	0.126±0.012	0.1±0.008	0.09±0.008	0.024	0.008	0.075±0.004



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: -40°C to +125°C
Resistance to Solder Heat: 260°C for 10 Sec.
Inductance Tolerance: ±5%, ±10% & ±20%
Testing: Inductance and Q are tested on a HP4285A or a HP4286A at a specified frequency.
Packaging: Tape & Reel.
Marking: Parts are marked with inductance code.
Miscellaneous: RoHS Compliant.
Additional Information: Additional electrical & physical information available upon request.
Samples available. See website for ordering information.

PAD LAYOUT