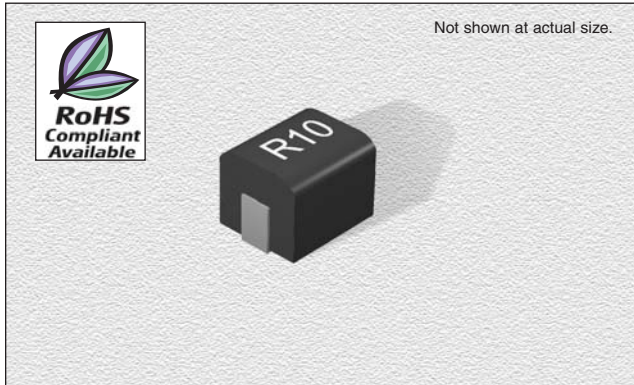


## CTMC1210 Series

From .01  $\mu$ H to 330  $\mu$ H

ENGINEERING KIT # 12F

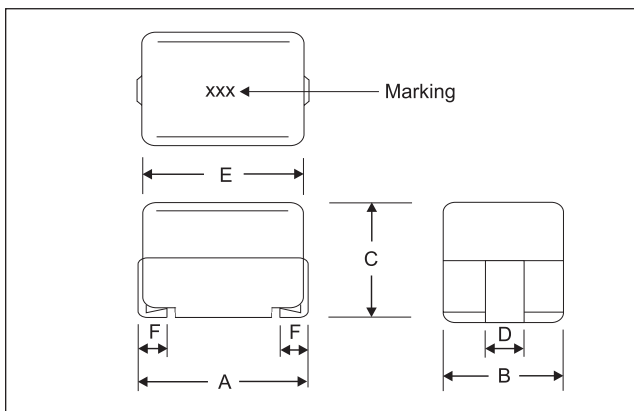


### CHARACTERISTICS

- Description:** Ferrite core, wire-wound molded chip inductor
- Applications:** TVs, VCRs, disk drives, computer peripherals, telecommunication devices and electronic control boards for automobiles
- Operating Temperature:** -40°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 available.
- Additional Information:** Additional electrical & physical information available upon request
- Samples available. See website for ordering information.**

### PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F
mm	3.2 $\pm$ 0.3	2.5 $\pm$ 0.2	2.2 $\pm$ 0.2	1.0 $\pm$ 0.4	2.9 $\pm$ 0.2	0.6
inches	.13 $\pm$ 0.012	.10 $\pm$ 0.008	.09 $\pm$ 0.008	.04 $\pm$ 0.016	.11 $\pm$ 0.008	.02



### SPECIFICATIONS

Please specify tolerance code when ordering.  
 CTMC1210-R010\_ ← J =  $\pm 5\%$ , K =  $\pm 10\%$ , M =  $\pm 20\%$   
 CTMC1210F Please specify "F" for Lead Free

Part Number	Inductance ( $\mu$ H)	L Test Freq. (MHz)	Q Fact. Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. ( $\Omega$ )	Rated DC (mA)
CTMC1210_-R010_	.010	100	15	100	2500	.13	450
CTMC1210_-R012_	.012	100	17	100	2300	.14	450
CTMC1210_-R015_	.015	100	19	100	2100	.16	450
CTMC1210_-R018_	.018	100	21	100	1900	.18	450
CTMC1210_-R022_	.022	100	23	100	1700	.20	450
CTMC1210_-R027_	.027	100	23	100	1500	.22	450
CTMC1210_-R033_	.033	100	25	100	1400	.24	450
CTMC1210_-R039_	.039	100	25	100	1300	.27	450
CTMC1210_-R047_	.047	100	26	100	1200	.30	450
CTMC1210_-R056_	.056	100	26	100	1100	.33	450
CTMC1210_-R068_	.068	100	27	100	1000	.36	450
CTMC1210_-R082_	.082	100	27	100	900	.40	450
CTMC1210_-R10_	.10	100	28	100	700	.44	450
CTMC1210_-R12_	.12	25.2	30	25.2	500	.22	450
CTMC1210_-R15_	.15	25.2	30	25.2	450	.25	450
CTMC1210_-R18_	.18	25.2	30	25.2	400	.28	450
CTMC1210_-R22_	.22	25.2	30	25.2	350	.32	450
CTMC1210_-R27_	.27	25.2	30	25.2	320	.36	450
CTMC1210_-R33_	.33	25.2	30	25.2	300	.40	450
CTMC1210_-R39_	.39	25.2	30	25.2	250	.45	450
CTMC1210_-R47_	.47	25.2	30	25.2	220	.50	450
CTMC1210_-R56_	.56	25.2	30	25.2	180	.55	450
CTMC1210_-R68_	.68	25.2	30	25.2	160	.60	450
CTMC1210_-R82_	.82	25.2	30	25.2	140	.65	450
CTMC1210_-1R0_	1.0	7.96	30	7.96	120	.70	400
CTMC1210_-1R2_	1.2	7.96	30	7.96	100	.75	390
CTMC1210_-1R5_	1.5	7.96	30	7.96	85	.85	370
CTMC1210_-1R8_	1.8	7.96	30	7.96	80	.90	350
CTMC1210_-2R2_	2.2	7.96	30	7.96	75	1.0	320
CTMC1210_-2R7_	2.7	7.96	30	7.96	70	1.1	290
CTMC1210_-3R3_	3.3	7.96	30	7.96	60	1.2	260
CTMC1210_-3R9_	3.9	7.96	30	7.96	55	1.3	250
CTMC1210_-4R7_	4.7	7.96	30	7.96	50	1.5	220
CTMC1210_-5R6_	5.6	7.96	30	7.96	47	1.6	200
CTMC1210_-6R8_	6.8	7.96	30	7.96	43	1.8	180
CTMC1210_-8R2_	8.2	7.96	30	7.96	40	2.0	170
CTMC1210_-100_	10	2.52	30	2.52	36	2.1	150
CTMC1210_-120_	12	2.52	30	2.52	33	2.5	140
CTMC1210_-150_	15	2.52	30	2.52	30	2.8	130
CTMC1210_-180_	18	2.52	30	2.52	27	3.3	120
CTMC1210_-220_	22	2.52	30	2.52	25	3.7	110
CTMC1210_-270_	27	2.52	30	2.52	20	5.0	80
CTMC1210_-330_	33	2.52	30	2.52	17	5.6	70
CTMC1210_-390_	39	2.52	30	2.52	16	6.4	65
CTMC1210_-470_	47	2.52	30	2.52	15	7.0	60
CTMC1210_-560_	56	2.52	30	2.52	13	8.0	55
CTMC1210_-680_	68	2.52	30	2.52	12	9.0	50
CTMC1210_-820_	82	2.52	30	2.52	11	10	45
CTMC1210_-101_	100	.796	20	.796	10	10	40
CTMC1210_-121_	120	.796	20	.796	10	11	70
CTMC1210_-151_	150	.796	20	.796	8.0	15	65
CTMC1210_-181_	180	.796	20	.796	7.0	17	60
CTMC1210_-221_	220	.796	20	.796	7.0	21	50
CTMC1210_-271_	270	.796	20	.796	6.0	28	45
CTMC1210_-331_	330	.796	20	.796	5.0	34	40

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