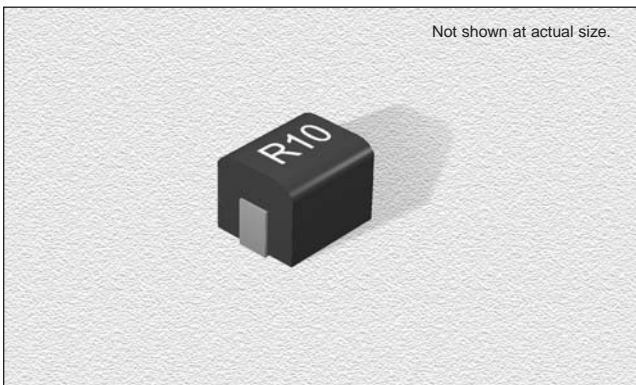


## CTMC1210 Series

From .01  $\mu$ H to 470  $\mu$ H

### ENGINEERING KIT # 12



### 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

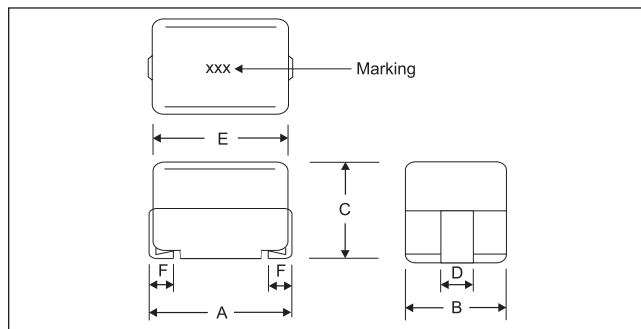
**Marking:** Parts are marked with inductance code

**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	2.9 $\pm$ 0.2	0.6
inches	0.13 $\pm$ 0.012	0.10 $\pm$ 0.008	0.09 $\pm$ 0.008	0.04	0.11 $\pm$ 0.008	0.02



### SPECIFICATIONS

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

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
CTMC1210-391_	390	.796	20	.796	5.0	42	35
CTMC1210-471_	470	.796	20	.796	4.0	40	25

08.30.02

Manufacturer of Inductors, Chokes, Coils, Beads, Transformers & Toroids

800-684-5322 Inside US 949-453-1811 Outside US

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