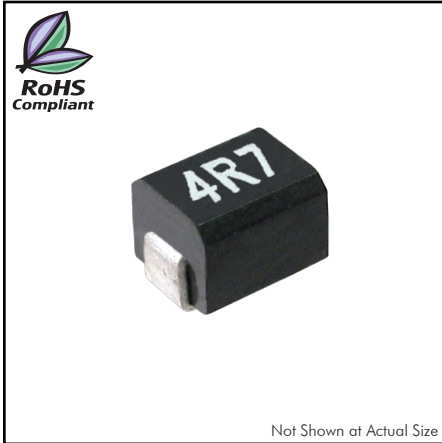


# CTMC1210F Series

## From 0.12 $\mu\text{H}$ to 150 $\mu\text{H}$

### 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 +125°C
- Storage Temperature:** -40°C to +125°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.  
 CTMC1210F-R15\_ ← J =  $\pm 5\%$ , K =  $\pm 10\%$ , M =  $\pm 20\%$   
 \* K or M only

Part Number	Inductance ( $\mu\text{H}$ )	L Test Freq. (MHz)	Q Fact. Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. ( $\Omega$ )	Rated DC (mA)
CTMC1210F-R12_*	.12	25.2	30	25.2	500	.22	450
CTMC1210F-R15_	.15	25.2	30	25.2	450	.25	450
CTMC1210F-R18_	.18	25.2	30	25.2	400	.28	450
CTMC1210F-R22_	.22	25.2	30	25.2	350	.32	450
CTMC1210F-R27_	.27	25.2	30	25.2	320	.36	450
CTMC1210F-R33_	.33	25.2	30	25.2	300	.40	450
CTMC1210F-R39_	.39	25.2	30	25.2	250	.45	450
CTMC1210F-R47_	.47	25.2	30	25.2	220	.50	450
CTMC1210F-R56_	.56	25.2	30	25.2	180	.55	450
CTMC1210F-R68_	.68	25.2	30	25.2	160	.60	450
CTMC1210F-R82_	.82	25.2	30	25.2	140	.65	450
CTMC1210F-1R0_	1.0	7.96	30	7.96	120	.70	400
CTMC1210F-1R2_	1.2	7.96	30	7.96	100	.75	390
CTMC1210F-1R5_	1.5	7.96	30	7.96	85	.85	370
CTMC1210F-1R8_	1.8	7.96	30	7.96	80	.90	350
CTMC1210F-2R2_	2.2	7.96	30	7.96	75	1.0	320
CTMC1210F-2R7_	2.7	7.96	30	7.96	70	1.1	290
CTMC1210F-3R3_	3.3	7.96	30	7.96	60	1.2	260
CTMC1210F-3R9_	3.9	7.96	30	7.96	55	1.3	250
CTMC1210F-4R7_	4.7	7.96	30	7.96	50	1.5	220
CTMC1210F-5R6_	5.6	7.96	30	7.96	47	1.6	200
CTMC1210F-6R8_	6.8	7.96	30	7.96	43	1.8	180
CTMC1210F-8R2_	8.2	7.96	30	7.96	40	2.0	170
CTMC1210F-10_	10	2.52	30	2.52	36	2.1	150
CTMC1210F-12_	12	2.52	30	2.52	33	2.5	140
CTMC1210F-15_	15	2.52	30	2.52	30	2.8	130
CTMC1210F-18_	18	2.52	30	2.52	27	3.3	120
CTMC1210F-22_	22	2.52	30	2.52	25	3.7	110
CTMC1210F-27_	27	2.52	30	2.52	20	5.0	80
CTMC1210F-33_	33	2.52	30	2.52	17	5.6	70
CTMC1210F-39_	39	2.52	30	2.52	16	6.4	65
CTMC1210F-47_	47	2.52	30	2.52	15	7.0	60
CTMC1210F-56_	56	2.52	30	2.52	13	8.0	55
CTMC1210F-68_	68	2.52	30	2.52	12	9.0	50
CTMC1210F-82_	82	2.52	30	2.52	11	10	45
CTMC1210F-101_	100	.796	20	.796	10	10	40
CTMC1210F-121_	120	.796	20	.796	10	11	70
CTMC1210F-151_	150	.796	20	.796	8.0	15	65

### 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	0.13 $\pm$ 0.012	0.10 $\pm$ 0.008	0.09 $\pm$ 0.008	0.04 $\pm$ 0.016	0.11 $\pm$ 0.008	0.02

