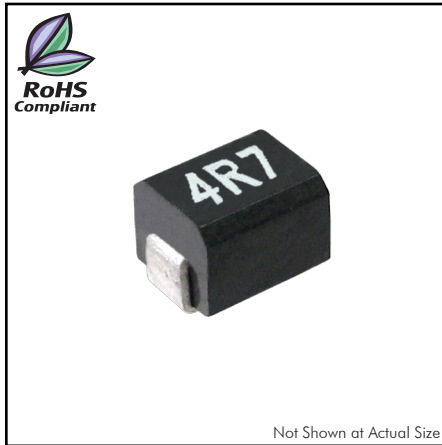


CTMC1210F Series

From 0.10 μ H to 150 μ 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.

Additional Information: Additional electrical & physical information available upon request.

Samples available. See website for ordering information.

SPECIFICATIONS

Please specify tolerance code when ordering.

CTMC1210F-R010 $\leftarrow$ J = $\pm 5\%$, K = $\pm 10\%$, M = $\pm 20\%$

Part Number	Inductance (μ H)	L Test Freq. (MHz)	Q Fact. Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC (mA)
CTMC1210F-R10	.10	100	28	100	700	.44	450
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-100	10	2.52	30	2.52	36	2.1	150
CTMC1210F-120	12	2.52	30	2.52	33	2.5	140
CTMC1210F-150	15	2.52	30	2.52	30	2.8	130
CTMC1210F-180	18	2.52	30	2.52	27	3.3	120
CTMC1210F-220	22	2.52	30	2.52	25	3.7	110
CTMC1210F-270	27	2.52	30	2.52	20	5.0	80
CTMC1210F-330	33	2.52	30	2.52	17	5.6	70
CTMC1210F-390	39	2.52	30	2.52	16	6.4	65
CTMC1210F-470	47	2.52	30	2.52	15	7.0	60
CTMC1210F-560	56	2.52	30	2.52	13	8.0	55
CTMC1210F-680	68	2.52	30	2.52	12	9.0	50
CTMC1210F-820	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

