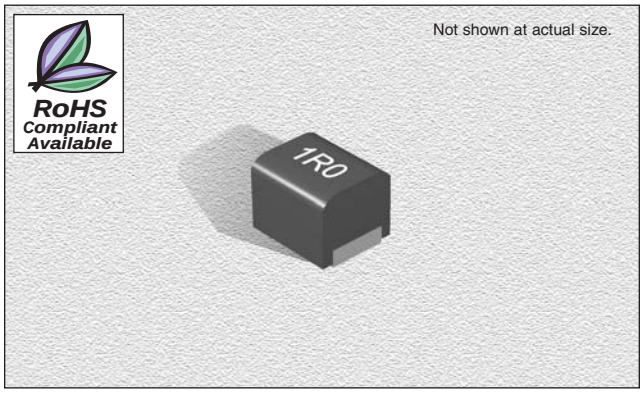
CTMC1008 Series

From .01 µH to 100 µH



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: -45°C to +85°C
Storage Temperature: -55°C to +105°C
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 available
Additional Information: Additional electrical & physical information available upon request
Samples available. See website for ordering information.

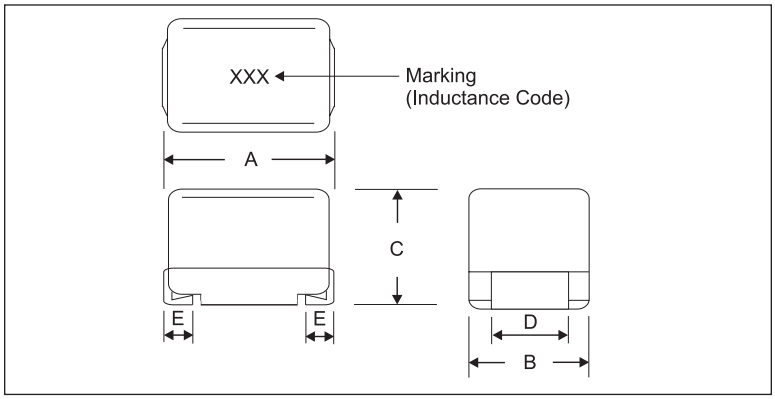
SPECIFICATIONS

Please specify tolerance code when ordering.
CTMC1008-R010_ ← J = ±5%, K = ±10%, M = ±20%
CTMC1008F **Please specify "F" for RoHS Compliant**

Part Number	Inductance (µH)	L Test Freq. (MHz)	Q Fact. Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC (mA)
CTMC1008_-R010_	.010	100	15	100	2150	.26	530
CTMC1008_-R012_	.012	100	15	100	2050	.27	500
CTMC1008_-R015_	.015	100	15	100	1850	.29	480
CTMC1008_-R018_	.018	100	15	100	1650	.31	450
CTMC1008_-R022_	.022	100	15	100	1550	.37	420
CTMC1008_-R027_	.027	100	15	100	1400	.40	410
CTMC1008_-R033_	.033	100	20	100	1250	.42	400
CTMC1008_-R039_	.039	100	20	100	1100	.45	380
CTMC1008_-R047_	.047	100	20	100	1050	.50	360
CTMC1008_-R056_	.056	100	20	100	950	.60	340
CTMC1008_-R068_	.068	100	20	100	900	.65	320
CTMC1008_-R082_	.082	100	20	100	850	.75	300
CTMC1008_-R10_	.10	100	20	100	750	.80	280
CTMC1008_-R12_	.12	25.2	30	25.2	700	.30	550
CTMC1008_-R15_	.15	25.2	30	25.2	550	.35	500
CTMC1008_-R18_	.18	25.2	30	25.2	500	.40	460
CTMC1008_-R22_	.22	25.2	30	25.2	450	.50	430
CTMC1008_-R27_	.27	25.2	30	25.2	425	.55	420
CTMC1008_-R33_	.33	25.2	30	25.2	400	.60	400
CTMC1008_-R39_	.39	25.2	30	25.2	375	.65	375
CTMC1008_-R47_	.47	25.2	30	25.2	350	.68	350
CTMC1008_-R56_	.56	25.2	30	25.2	325	.75	325
CTMC1008_-R68_	.68	25.2	30	25.2	300	.85	300
CTMC1008_-R82_	.82	25.2	30	25.2	260	1.00	260
CTMC1008_-1R0_	1.0	7.96	30	7.96	245	1.10	245
CTMC1008_-1R2_	1.2	7.96	30	7.96	230	1.20	230
CTMC1008_-1R5_	1.5	7.96	30	7.96	182	1.30	220
CTMC1008_-1R8_	1.8	7.96	30	7.96	135	1.45	210
CTMC1008_-2R2_	2.2	7.96	30	7.96	105	1.55	200
CTMC1008_-2R7_	2.7	7.96	30	7.96	70	1.70	195
CTMC1008_-3R3_	3.3	7.96	30	7.96	55	1.90	185
CTMC1008_-3R9_	3.9	7.96	30	7.96	48	2.10	180
CTMC1008_-4R7_	4.7	7.96	30	7.96	43	2.30	175
CTMC1008_-5R6_	5.6	7.96	25	7.96	42	2.50	170
CTMC1008_-6R8_	6.8	7.96	25	7.96	39	2.70	165
CTMC1008_-8R2_	8.2	7.96	25	7.96	36	3.05	160
CTMC1008_-100_	10	2.52	25	2.52	33	3.50	155
CTMC1008_-120_	12	2.52	25	2.52	30	3.80	150
CTMC1008_-150_	15	2.52	25	2.52	26	4.40	140
CTMC1008_-180_	18	2.52	25	2.52	24	4.80	130
CTMC1008_-220_	22	2.52	25	2.52	22	5.50	125
CTMC1008_-270_	27	2.52	25	2.52	21	6.30	115
CTMC1008_-330_	33	2.52	25	2.52	20	7.10	110
CTMC1008_-390_	39	2.52	20	2.52	18	9.50	90
CTMC1008_-470_	47	2.52	20	2.52	17	11.10	80
CTMC1008_-560_	56	2.52	20	2.52	16	12.10	75
CTMC1008_-680_	68	2.52	20	2.52	15	16.60	70
CTMC1008_-820_	82	2.52	20	2.52	13	19.00	66
CTMC1008_-101_	100	.796	15	.796	12	21.00	60

PHYSICAL DIMENSIONS

Size	A	B	C	D	E
mm	2.5±0.2	2.0±0.2	1.8±0.2	1.4±0.1	0.4
inches	0.10±0.008	0.08±0.008	0.07±0.008	0.06±0.004	0.02



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