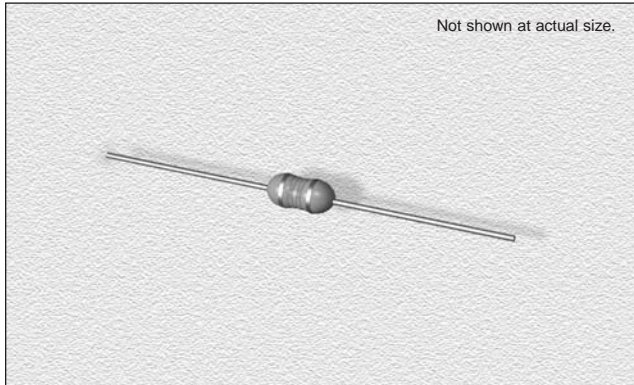


# CTC1 Series

## From .10 $\mu$ H to 1,000 $\mu$ H

### SPECIFICATIONS

Please specify tolerance code when ordering.  
 CTC1-R10\_ ← J =  $\pm$ 5%, K =  $\pm$ 10%, M =  $\pm$ 20%



### CHARACTERISTICS

- Description:** Axial leaded conformal coated inductor
- Applications:** Used in less harsh environments. Ideal for less critical RFL/EMI applications
- Operating Temperature:** -55°C to +125°C
- Inductance Tolerance:**  $\pm$ 5%,  $\pm$ 10%,  $\pm$ 20%
- Material:** Epoxy resin over coil. Magnetic core (ferrite or iron) except for values .10  $\mu$ H to 1.0  $\mu$ H (phenolic)
- Packaging:** Bulk pack, 1,000 parts per bag, Tape & Reel, 5,000 parts per reel
- Marking:** Parts are EIA color banded which indicates inductance value and tolerance
- Testing:** Inductance and Q are tested on an HP4285A at specified frequency
- Additional Information:** Additional electrical & physical information available upon request
- Samples available. See website for ordering information.**

Part Number	Inductance ( $\mu$ H)	L Test Freq. (MHz)	Q Factor Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. ( $\Omega$ )	Rated DC (mA)
CTC1-R10_	.10	25	40	25	680	.08	1380
CTC1-R12_	.12	25	40	25	640	.09	1300
CTC1-R15_	.15	25	38	25	600	.10	1230
CTC1-R18_	.18	25	38	25	550	.12	1120
CTC1-R22_	.22	25	33	25	510	.14	1040
CTC1-R27_	.27	25	33	25	430	.16	975
CTC1-R33_	.33	25	30	25	410	.22	830
CTC1-R39_	.39	25	30	25	365	.30	710
CTC1-R47_	.47	25	30	25	330	.35	660
CTC1-R56_	.56	25	30	25	300	.50	550
CTC1-R68_	.68	25	28	25	275	.60	500
CTC1-R82_	.82	25	28	25	250	.85	420
CTC1-1R0_	1.0	25	25	25	230	1.0	390
CTC1-1R2_	1.2	7.9	25	7.9	150	.18	620
CTC1-1R5_	1.5	7.9	28	7.9	140	.22	560
CTC1-1R8_	1.8	7.9	30	7.9	125	.30	480
CTC1-2R2_	2.2	7.9	30	7.9	115	.40	415
CTC1-2R7_	2.7	7.9	37	7.9	100	.55	355
CTC1-3R3_	3.3	7.9	45	7.9	90	.90	285
CTC1-3R9_	3.9	7.9	45	7.9	80	1.0	263
CTC1-4R7_	4.7	7.9	45	7.9	75	1.2	239
CTC1-5R6_	5.6	7.9	50	7.9	65	1.8	195
CTC1-6R8_	6.8	7.9	50	7.9	60	2.0	185
CTC1-8R2_	8.2	7.9	55	7.9	55	2.7	160
CTC1-100_	10	7.9	55	7.9	50	3.3	144
CTC1-120_	12	2.5	45	2.5	40	2.7	144
CTC1-150_	15	2.5	45	2.5	35	2.8	144
CTC1-180_	18	2.5	50	2.5	30	3.1	144
CTC1-220_	22	2.5	50	2.5	25	3.3	144
CTC1-270_	27	2.5	50	2.5	20	3.5	140
CTC1-330_	33	2.5	45	2.5	24	3.4	130
CTC1-390_	39	2.5	45	2.5	22	3.6	125
CTC1-470_	47	2.5	45	2.5	20	4.5	110
CTC1-560_	56	2.5	45	2.5	18	5.7	100
CTC1-680_	68	2.5	50	2.5	15	6.7	92
CTC1-820_	82	2.5	50	2.5	14	7.3	88
CTC1-101_	100	2.5	50	2.5	13	8.0	84
CTC1-121_	120	.79	30	.79	12	13	68
CTC1-151_	150	.79	30	.79	11	15	61
CTC1-181_	180	.79	30	.79	10	17	57
CTC1-221_	220	.79	30	.79	9.0	21	52
CTC1-271_	270	.79	30	.79	8.0	25	47
CTC1-331_	330	.79	30	.79	7.0	28	45
CTC1-391_	390	.79	30	.79	6.5	35	40
CTC1-471_	470	.79	30	.79	6.0	42	38
CTC1-561_	560	.79	30	.79	5.0	46	35
CTC1-681_	680	.79	30	.79	4.2	60	30
CTC1-821_	820	.79	30	.79	3.8	65	28
CTC1-102_	1000	.79	30	.79	3.4	72	28

### PHYSICAL DIMENSIONS

Size	A Max.	B	C Nom.	24 AWG Nom.
mm	6.22	2.3 $\pm$ 0.25	26.7	0.5110
inches	0.245	0.09 $\pm$ 0.01	1.05	0.02010

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