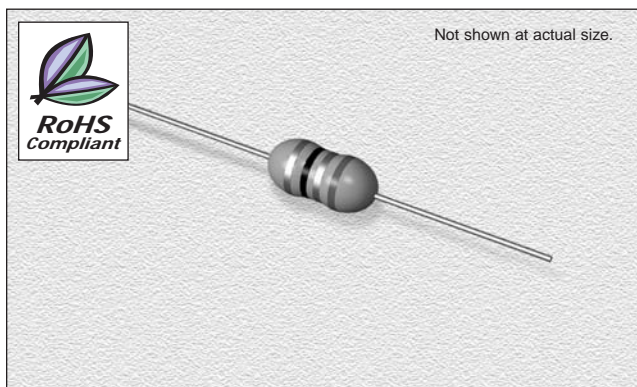


## CTC4F Series

From .10  $\mu\text{H}$  to 10,000  $\mu\text{H}$

### SPECIFICATIONS

Please specify tolerance code when ordering.  
 CTC4F-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:**  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$
- Inductance Tolerance:**  $\pm 5\%$ ,  $\pm 10\%$ ,  $\pm 20\%$
- Testing:** Inductance and Q are tested on an HP4285A at specified frequency
- Packaging:** Bulk pack or Tape & Reel, 5,000 parts per reel
- Marking:** Parts are EIA color banded which indicates inductance code and tolerance
- Material:** Magnetic core (ferrite or iron) except for values 0.10  $\mu\text{H}$  to 0.82  $\mu\text{H}$  (phenolic) treated with epoxy resin for protection and longer reliability
- Miscellaneous:** RoHS Compliant.
- Additional Information:** Additional electrical & physical information available upon request
- Samples available. See website for ordering information.**

Part Number	Inductance ( $\mu\text{H}$ )	L Test Freq. (MHz)	Q Factor Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. ( $\Omega$ )	Rated DC (mA)
CTC4F-R10_	.10	25.2	45	25.2	380	.08	1600
CTC4F-R12_	.12	25.2	45	25.2	360	.10	1550
CTC4F-R15_	.15	25.2	45	25.2	340	.10	1500
CTC4F-R18_	.18	25.2	45	25.2	320	.10	1480
CTC4F-R22_	.22	25.2	45	25.2	300	.10	1450
CTC4F-R27_	.27	25.2	45	25.2	270	.11	1400
CTC4F-R33_	.33	25.2	45	25.2	250	.12	1350
CTC4F-R39_	.39	25.2	45	25.2	230	.13	1300
CTC4F-R47_	.47	25.2	45	25.2	220	.14	1280
CTC4F-R56_	.56	25.2	45	25.2	210	.15	1240
CTC4F-R68_	.68	25.2	45	25.2	200	.16	1225
CTC4F-R82_	.82	25.2	45	25.2	190	.17	1210
CTC4F-1R0_	1.0	25.2	45	25.2	205	.16	1200
CTC4F-1R2_	1.2	7.96	50	7.96	185	.18	1150
CTC4F-1R5_	1.5	7.96	50	7.96	165	.20	1100
CTC4F-1R8_	1.8	7.96	55	7.96	155	.22	1030
CTC4F-2R2_	2.2	7.96	55	7.96	140	.25	1000
CTC4F-2R7_	2.7	7.96	60	7.96	125	.26	940
CTC4F-3R3_	3.3	7.96	60	7.96	115	.29	900
CTC4F-3R9_	3.9	7.96	60	7.96	105	.31	850
CTC4F-4R7_	4.7	7.96	60	7.96	95	.34	820
CTC4F-5R6_	5.6	7.96	60	7.96	85	.38	780
CTC4F-6R8_	6.8	7.96	65	7.96	75	.51	670
CTC4F-8R2_	8.2	7.96	65	7.96	50	.48	690
CTC4F-100_	10	7.96	65	7.96	35	.49	680
CTC4F-120_	12	2.52	50	2.52	30	.55	650
CTC4F-150_	15	2.52	50	2.52	20	.60	610
CTC4F-180_	18	2.52	50	2.52	17	.67	580
CTC4F-220_	22	2.52	50	2.52	13	.74	560
CTC4F-270_	27	2.52	55	2.52	10	.83	530
CTC4F-330_	33	2.52	55	2.52	9.0	.92	500
CTC4F-390_	39	2.52	55	2.52	8.0	1.0	470
CTC4F-470_	47	2.52	40	2.52	7.5	1.1	450
CTC4F-560_	56	2.52	40	2.52	7.0	1.2	430
CTC4F-680_	68	2.52	40	2.52	6.5	1.3	410
CTC4F-820_	82	2.52	35	2.52	6.0	1.5	290
CTC4F-101_	100	2.52	30	2.52	5.0	1.7	370
CTC4F-121_	120	.796	50	.796	4.5	2.4	300
CTC4F-151_	150	.796	50	.796	4.2	2.8	280
CTC4F-181_	180	.796	50	.796	3.9	3.0	270
CTC4F-221_	220	.796	50	.796	3.7	3.3	250
CTC4F-271_	270	.796	65	.796	2.8	5.7	200
CTC4F-331_	330	.796	65	.796	2.7	6.4	190
CTC4F-391_	390	.796	65	.796	2.4	7.0	180
CTC4F-471_	470	.796	55	.796	2.2	7.9	170
CTC4F-561_	560	.796	55	.796	2.0	8.8	160
CTC4F-681_	680	.796	55	.796	1.9	10.0	150
CTC4F-821_	820	.796	55	.796	1.6	12.0	140
CTC4F-102_	1000	.252	50	.252	1.6	14.0	130
CTC4F-122_	1200	.252	50	.252	1.3	16.9	115
CTC4F-152_	1500	.252	40	.252	1.25	21.6	100
CTC4F-182_	1800	.252	40	.252	1.2	24.0	95
CTC4F-222_	2200	.252	40	.252	1.1	34.7	80
CTC4F-272_	2700	.252	40	.252	1.0	40.0	75
CTC4F-332_	3300	.252	40	.252	.90	59.5	62
CTC4F-392_	3900	.252	40	.252	.80	66.0	59
CTC4F-472_	4700	.252	40	.252	.70	74.0	55
CTC4F-562_	5600	.252	30	.252	.55	70.0	40
CTC4F-682_	6800	.252	30	.252	.50	85.0	35
CTC4F-822_	8200	.252	30	.252	.40	95.0	30
CTC4F-103_	10000	.252	20	.252	.35	105	25

### PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Typ.	22 AWG Nom.
mm	9.40	4.06	29.2	0.6430
inches	0.37	0.16	1.15	0.02535

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