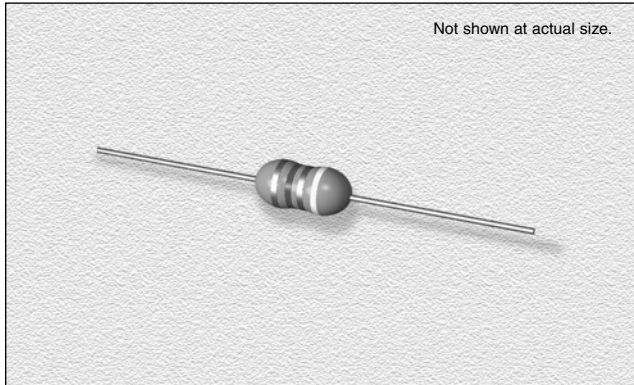


CTC3 Series

From .10 μH to 10,000 μH

SPECIFICATIONS

Please specify tolerance code when ordering.
 CTC3-R10_ ← J = $\pm 5\%$, K = $\pm 10\%$, M = $\pm 20\%$

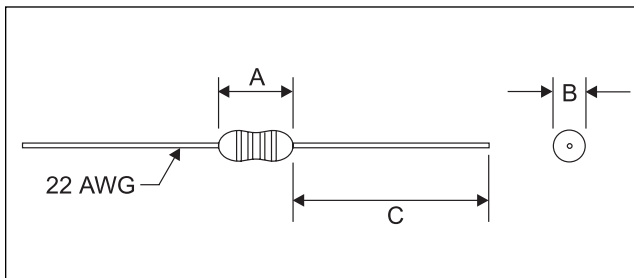


CHARACTERISTICS

- Description:** Axial leaded conformal coated inductor
- Applications:** Used in less harsh environments. Ideal for less critical RFL/EMI applications.
- Operating Temperature:** -20°C to +105°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 μH to 0.68 μH (phenolic) treated with epoxy resin for protection and longer reliability
- Additional Information:** Additional electrical & physical information available upon request
- Samples available. See website for ordering information.**

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Typ.	22 AWG Nom.
mm	9.4	4.06	29.2	0.643
inches	0.37	0.16	1.15	0.03



Part Number	Inductance (μH)	L Test Freq. (MHz)	Q Factor Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC (mA)
CTC3-R10_	.10	25.2	45	25.2	380	.08	1600
CTC3-R12_	.12	25.2	45	25.2	360	.10	1550
CTC3-R15_	.15	25.2	45	25.2	340	.10	1500
CTC3-R18_	.18	25.2	45	25.2	320	.10	1480
CTC3-R22_	.22	25.2	45	25.2	300	.10	1450
CTC3-R27_	.27	25.2	45	25.2	270	.11	1400
CTC3-R33_	.33	25.2	45	25.2	250	.12	1350
CTC3-R39_	.39	25.2	45	25.2	230	.13	1300
CTC3-R47_	.47	25.2	45	25.2	220	.14	1280
CTC3-R56_	.56	25.2	45	25.2	210	.15	1240
CTC3-R68_	.68	25.2	45	25.2	200	.16	1225
CTC3-R82_	.82	25.2	45	25.2	190	.17	1210
CTC3-1R0_	1.0	25.2	45	25.2	205	.16	1200
CTC3-1R2_	1.2	7.96	50	7.96	185	.18	1150
CTC3-1R5_	1.5	7.96	50	7.96	165	.20	1100
CTC3-1R8_	1.8	7.96	55	7.96	155	.22	1030
CTC3-2R2_	2.2	7.96	55	7.96	140	.25	1000
CTC3-2R7_	2.7	7.96	60	7.96	125	.26	940
CTC3-3R3_	3.3	7.96	60	7.96	115	.29	900
CTC3-3R9_	3.9	7.96	60	7.96	105	.31	850
CTC3-4R7_	4.7	7.96	60	7.96	95	.34	820
CTC3-5R6_	5.6	7.96	60	7.96	85	.38	780
CTC3-6R8_	6.8	7.96	65	7.96	75	.51	670
CTC3-8R2_	8.2	7.96	65	7.96	50	.48	690
CTC3-100_	10	7.96	65	7.96	35	.49	680
CTC3-120_	12	2.52	50	2.52	30	.55	650
CTC3-150_	15	2.52	50	2.52	20	.60	610
CTC3-180_	18	2.52	50	2.52	17	.67	580
CTC3-220_	22	2.52	50	2.52	13	.74	560
CTC3-270_	27	2.52	55	2.52	10	.83	530
CTC3-330_	33	2.52	55	2.52	9.0	.92	500
CTC3-390_	39	2.52	55	2.52	8.0	1.0	470
CTC3-470_	47	2.52	40	2.52	7.5	1.1	450
CTC3-560_	56	2.52	40	2.52	7.0	1.2	430
CTC3-680_	68	2.52	40	2.52	6.5	1.3	410
CTC3-820_	82	2.52	35	2.52	6.0	1.5	290
CTC3-101_	100	2.52	30	2.52	5.0	1.7	370
CTC3-121_	120	.796	50	.796	4.5	2.4	300
CTC3-151_	150	.796	50	.796	4.2	2.8	280
CTC3-181_	180	.796	50	.796	3.9	3.0	270
CTC3-221_	220	.796	50	.796	3.7	3.3	250
CTC3-271_	270	.796	65	.796	2.8	5.7	200
CTC3-331_	330	.796	65	.796	2.7	6.4	190
CTC3-391_	390	.796	65	.796	2.4	7.0	180
CTC3-471_	470	.796	55	.796	2.2	7.9	170
CTC3-561_	560	.796	55	.796	2.0	8.8	160
CTC3-681_	680	.796	55	.796	1.9	10	150
CTC3-821_	820	.796	55	.796	1.6	12	140
CTC3-102_	1000	.796	50	.796	1.6	14	130
CTC3-122_	1200	.252	50	.252	1.3	17	115
CTC3-152_	1500	.252	40	.252	1.3	22	100
CTC3-182_	1800	.252	40	.252	1.2	24	95
CTC3-222_	2200	.252	40	.252	1.1	35	80
CTC3-272_	2700	.252	40	.252	1.0	40	75
CTC3-332_	3300	.252	40	.252	.90	60	62
CTC3-392_	3900	.252	40	.252	.80	66	59
CTC3-472_	4700	.252	40	.252	.70	74	55
CTC3-562_	5600	.252	30	.252	.55	70	40
CTC3-682_	6800	.252	30	.252	.50	85	35
CTC3-822_	8200	.252	30	.252	.40	95	30
CTC3-103_	10000	.252	20	.252	.35	105	25