

## CTCOF Series

From .22 $\mu$ H to 220 $\mu$ H



### SPECIFICATIONS

Please specify inductance tolerance when ordering.  
 CTC0F-R22 ← J =  $\pm$ 5%, K =  $\pm$ 10%, M =  $\pm$ 20%

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)
CTC0F-R22_	.22	25.2	42	25.2	150	.40	400
CTC0F-R27_	.27	25.2	42	25.2	150	.43	380
CTC0F-R33_	.33	25.2	42	25.2	150	.48	370
CTC0F-R39_	.39	25.2	42	25.2	150	.51	350
CTC0F-R47_	.47	25.2	42	25.2	150	.56	330
CTC0F-R56_	.56	25.2	42	25.2	150	.61	320
CTC0F-R68_	.68	25.2	50	25.2	150	.67	310
CTC0F-R82_	.82	25.2	50	25.2	150	.71	290
CTC0F-1R0_	1.0	25.2	50	25.2	150	.80	270
CTC0F-1R2_	1.2	7.96	50	7.96	110	.90	260
CTC0F-1R5_	1.5	7.96	50	7.96	80	1.00	250
CTC0F-1R8_	1.8	7.96	50	7.96	80	1.10	240
CTC0F-2R2_	2.2	7.96	50	7.96	45	1.20	230
CTC0F-2R7_	2.7	7.96	50	7.96	40	1.30	220
CTC0F-3R3_	3.3	7.96	55	7.96	38	1.40	210
CTC0F-3R9_	3.9	7.96	55	7.96	35	1.60	200
CTC0F-4R7_	4.7	7.96	55	7.96	32	1.70	190
CTC0F-5R6_	5.6	7.96	55	7.96	30	1.90	180
CTC0F-6R8_	6.8	7.96	55	7.96	28	2.00	175
CTC0F-8R2_	8.2	7.96	55	7.96	26	2.20	165
CTC0F-100_	10	7.96	55	7.96	24	2.50	160
CTC0F-120_	12	2.52	55	2.52	22	2.50	150
CTC0F-150_	15	2.52	55	2.52	20	2.80	145
CTC0F-180_	18	2.52	55	2.52	18	3.10	140
CTC0F-220_	22	2.52	55	2.52	17	3.40	130
CTC0F-270_	27	2.52	55	2.52	16	4.30	80
CTC0F-330_	33	2.52	55	2.52	14	4.70	76
CTC0F-390_	39	2.52	55	2.52	13	5.20	74
CTC0F-470_	47	2.52	55	2.52	12	5.80	70
CTC0F-560_	56	2.52	55	2.52	11	6.40	68
CTC0F-680_	68	2.52	55	2.52	10	7.20	64
CTC0F-820_	82	2.52	55	2.52	9.5	11.0	46
CTC0F-101_	100	.796	55	.796	9.0	12.0	44
CTC0F-121_	120	.796	55	.796	8.0	13.0	43
CTC0F-151_	150	.796	55	.796	6.0	16.0	40
CTC0F-181_	180	.796	55	.796	5.5	18.0	38
CTC0F-221_	220	.796	55	.796	5.0	20.0	35

### 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%

**Testing:** Inductance and Q are tested on an HP4285A at specified frequency

**Packaging:** Bulk - 1000 pieces per bag, Tape & Reel - 5000 pieces per reel

**Material:** Magnetic core treated with epoxy resin for protection and longer reliability

**Marking:** Parts are EIA three color banded indicating inductance value and tolerance

**Miscellaneous:** **RoHS Compliant.** Other values available.

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

**Samples available. See website for ordering information.**

### PHYSICAL DIMENSIONS

Size	A	B	C
mm	4.31 $\pm$ 0.51	2.28 $\pm$ 0.25	29.21
inches	0.170 $\pm$ 0.02	0.09 $\pm$ 0.01	1.15

