CTC2F Series

From 0.022 µH to 1,000 µH

ENGINEERING KIT #1F



CHARACTERISTICS

Description: Axial leaded conformal coated inductor.
Applications: Used in less harsh enviroments. Ideal for less critical RFL/EMI applications.
Operating Temperature: -55°C to +125°C
Inductance Tolerance: ±5%, ±10%, ±20%
Testing: Inductance and Q are tested on an HP4285A or HP4286A 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 with epoxy resin for protection and longer reliablility.
Miscellaneous: RoHS Compliant. Other values available.
Additional Information: Additional electrical & physical information available upon request.
Samples available. See website for ordering information.

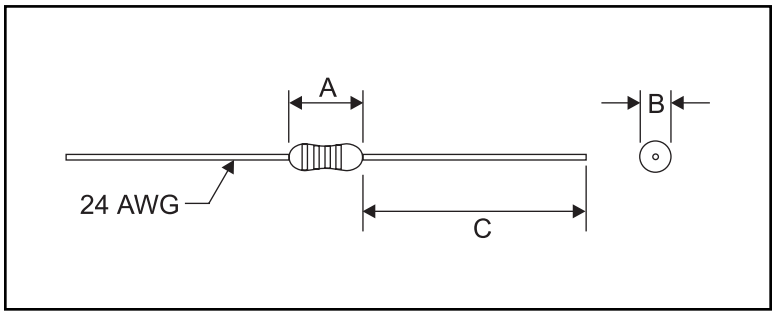
SPECIFICATIONS

Please specify inductance tolerance when ordering.
CTC2F-R022_ ← J = ±5%, K = ±10%, M = ±20%

Part Number	Inductance (µH)	L Test Freq. (MHz)	Q Factor Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC (mA)
CTC2F-R022_	.022	50	40	50	500	.01	520
CTC2F-R033_	.033	50	40	50	490	.02	500
CTC2F-R039_	.039	50	40	50	480	.02	500
CTC2F-R047_	.047	50	40	50	480	.03	500
CTC2F-R056_	.056	50	40	50	470	.04	460
CTC2F-R068_	.068	50	40	50	470	.05	460
CTC2F-R082_	.082	50	40	50	470	.05	460
CTC2F-R10_	.10	25.2	30	25.2	280	.08	1400
CTC2F-R12_	.12	25.2	30	25.2	280	.08	1350
CTC2F-R15_	.15	25.2	30	25.2	280	.09	1270
CTC2F-R18_	.18	25.2	30	25.2	280	.12	1200
CTC2F-R22_	.22	25.2	40	25.2	280	.15	1150
CTC2F-R27_	.27	25.2	40	25.2	260	.15	1110
CTC2F-R33_	.33	25.2	40	25.2	250	.15	1110
CTC2F-R39_	.39	25.2	40	25.2	220	.17	1000
CTC2F-R47_	.47	25.2	40	25.2	200	.17	1000
CTC2F-R56_	.56	25.2	40	25.2	180	.17	950
CTC2F-R68_	.68	25.2	40	25.2	160	.18	900
CTC2F-R82_	.82	25.2	40	25.2	140	.18	900
CTC2F-1R0_	1.0	25.2	40	25.2	135	.18	815
CTC2F-1R2_	1.2	7.96	40	7.96	135	.18	740
CTC2F-1R5_	1.5	7.96	45	7.96	130	.20	700
CTC2F-1R8_	1.8	7.96	40	7.96	125	.23	655
CTC2F-2R2_	2.2	7.96	40	7.96	80	.25	630
CTC2F-2R7_	2.7	7.96	40	7.96	80	.28	596
CTC2F-3R3_	3.3	7.96	40	7.96	70	.30	575
CTC2F-3R9_	3.9	7.96	40	7.96	65	.32	555
CTC2F-4R7_	4.7	7.96	40	7.96	45	.35	530
CTC2F-5R6_	5.6	7.96	40	7.96	49	.40	500
CTC2F-6R8_	6.8	7.96	40	7.96	30	.45	470
CTC2F-8R2_	8.2	7.96	40	7.96	28	.56	425
CTC2F-100_	10	7.96	40	7.96	22	.72	370
CTC2F-120_	12	2.52	40	2.52	20	.80	350
CTC2F-150_	15	2.52	40	2.52	16	.88	335
CTC2F-180_	18	2.52	40	2.52	15	1.0	315
CTC2F-220_	22	2.52	40	2.52	13	1.2	285
CTC2F-270_	27	2.52	40	2.52	11	1.3	270
CTC2F-330_	33	2.52	40	2.52	10	1.5	255
CTC2F-390_	39	2.52	40	2.52	9.5	1.7	240
CTC2F-470_	47	2.52	50	2.52	8.5	2.3	205
CTC2F-560_	56	2.52	50	2.52	7.5	2.6	195
CTC2F-680_	68	2.52	50	2.52	6.5	2.9	185
CTC2F-820_	82	2.52	50	2.52	6.0	3.2	175
CTC2F-101_	100	2.52	50	2.52	5.5	3.5	165
CTC2F-121_	120	.796	60	.796	5.4	3.8	160
CTC2F-151_	150	.796	60	.796	4.8	4.4	150
CTC2F-181_	180	.796	60	.796	4.4	5.0	140
CTC2F-221_	220	.796	60	.796	4.0	5.7	130
CTC2F-271_	270	.796	60	.796	3.7	7.5	120
CTC2F-331_	330	.796	60	.796	3.4	9.5	100
CTC2F-391_	390	.796	60	.796	2.8	10	95
CTC2F-471_	470	.796	60	.796	2.7	11	90
CTC2F-561_	560	.796	60	.796	2.4	13	85
CTC2F-681_	680	.796	60	.796	2.0	18	75
CTC2F-821_	820	.796	60	.796	1.6	24	65
CTC2F-102_	1000	.796	50	.796	1.2	30	60

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Typ.	24 AWG Nom.
mm	7.0	3.0	29.2	0.511
inches	0.28	0.12	1.15	0.02



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