

CTC5F Series

From 1.0 μH to 10,000 μH



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

Rated Current: Based on the inductance change within 10% of initial value.

Inductance Tolerance: $\pm 10\%$

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.

Miscellaneous: **RoHS Compliant.**

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

Samples available. See website for ordering information.

SPECIFICATIONS

Parts are available in $\pm 10\%$ tolerance only.

Part Number	Inductance (μH)	L Test Freq. (MHz)	Q Factor Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC Max. (mA)
CTC5F-1R0K	1.0	7.9	47	7.9	140	0.07	1900
CTC5F-1R2K	1.2	7.9	46	7.9	130	0.093	1600
CTC5F-1R5K	1.5	7.9	45	7.9	115	0.12	1300
CTC5F-1R8K	1.8	7.9	43	7.9	105	0.14	1200
CTC5F-2R2K	2.2	7.9	45	7.9	100	0.19	1100
CTC5F-2R7K	2.7	7.9	46	7.9	92	0.28	950
CTC5F-3R3K	3.3	7.9	44	7.9	85	0.35	800
CTC5F-3R9K	3.9	7.9	44	7.9	75	0.4	750
CTC5F-4R7K	4.7	7.9	44	7.9	70	0.55	650
CTC5F-5R6K	5.6	7.9	47	7.9	65	0.72	550
CTC5F-6R8K	6.8	7.9	50	7.9	55	1.02	500
CTC5F-8R2K	8.2	7.9	50	7.9	50	1.32	475
CTC5F-100K	10	7.9	49	7.9	46	1.62	450
CTC5F-120K	12	2.5	55	2.5	44	2.0	400
CTC5F-150K	15	2.5	44	2.5	49	0.8	620
CTC5F-180K	18	2.5	45	2.5	45	0.89	610
CTC5F-220K	22	2.5	46	2.5	40	0.96	600
CTC5F-270K	27	2.5	49	2.5	38	1.19	500
CTC5F-330K	33	2.5	45	2.5	34	1.37	490
CTC5F-390K	39	2.5	53	2.5	29	1.93	410
CTC5F-470K	47	2.5	52	2.5	27	2.11	400
CTC5F-560K	56	2.5	49	2.5	25	2.23	380
CTC5F-680K	68	2.5	51	2.5	21	2.7	370
CTC5F-820K	82	2.5	45	2.5	10.5	2.44	360
CTC5F-101K	100	2.5	45	2.5	10	3.12	325
CTC5F-121K	120	.79	57	.79	9.7	3.6	290
CTC5F-151K	150	.79	56	.79	8.5	4.1	275
CTC5F-181K	180	.79	60	.79	8.0	4.4	260
CTC5F-221K	220	.79	58	.79	7.5	5.0	250
CTC5F-271K	270	.79	60	.79	7.0	5.8	240
CTC5F-331K	330	.79	54	.79	6.5	6.4	225
CTC5F-391K	390	.79	67	.79	6.2	7.4	200
CTC5F-471K	470	.79	60	.79	5.7	9.5	180
CTC5F-561K	560	.79	60	.79	4.7	10.5	174
CTC5F-681K	680	.79	60	.79	4.5	11.8	168
CTC5F-821K	820	.79	57	.79	4.2	13.0	152
CTC5F-102K	1000	.79	65	.79	3.8	17.5	135
CTC5F-122K	1200	.25	45	.25	1.5	22.1	115
CTC5F-152K	1500	.25	49	.25	1.2	26.5	110
CTC5F-182K	1800	.25	47	.25	1.0	29.9	105
CTC5F-222K	2200	.25	50	.25	0.97	33.8	99
CTC5F-272K	2700	.25	47	.25	0.92	47.3	83
CTC5F-332K	3300	.25	43	.25	0.84	53.0	80
CTC5F-392K	3900	.25	43	.25	0.80	73.8	67
CTC5F-472K	4700	.25	44	.25	0.74	81.6	63
CTC5F-562K	5600	.25	45	.25	0.73	98.9	56
CTC5F-682K	6800	.25	43	.25	0.66	111	54
CTC5F-822K	8200	.25	42	.25	0.54	119	52
CTC5F-103K	10000	.25	49	.25	0.47	137	49

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Nom.	22 AWG Nom.
mm	9.52	4.44	29.2	0.6430
inches	0.375	0.175	1.15	0.02535

