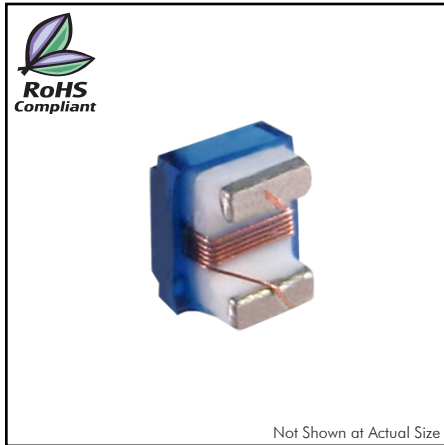


CT1008HQF Series

From 3.0 nH to 390 nH



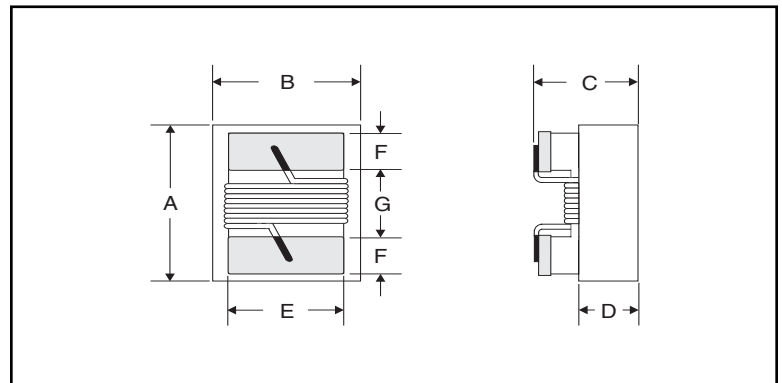
SPECIFICATIONS

Please specify tolerance code when ordering.
 CT1008HQF-3N0 ← G = ±2%, J = ±5%, K = ±10%
 *J or K only

Part Number	Inductance (nH)	L Test Freq. (MHz)	Q Fact. Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	IDC Max. (mA)
CT1008HQF-3N0_*	3.0	50	70	1500	6000	0.04	1600
CT1008HQF-4N1_*	4.1	50	75	1500	6000	0.05	1600
CT1008HQF-7N8_*	7.8	50	75	500	3800	0.05	1600
CT1008HQF-10N_	10	50	60	500	3600	0.06	1600
CT1008HQF-12N_	12	50	70	500	2800	0.06	1500
CT1008HQF-18N_	18	50	62	350	2700	0.07	1400
CT1008HQF-22N_	22	50	62	350	2050	0.07	1400
CT1008HQF-33N_	33	50	75	350	1700	0.09	1300
CT1008HQF-39N_	39	50	75	350	1300	0.09	1300
CT1008HQF-47N_	47	50	75	350	1450	0.12	1200
CT1008HQF-56N_	56	50	75	350	1230	0.12	1200
CT1008HQF-68N_	68	50	80	350	1150	0.13	1100
CT1008HQF-82N_	82	50	80	350	1060	0.16	1100
CT1008HQF-R10_	100	50	52	350	820	0.16	1000
CT1008HQF-R12_	120	25	50	100	950	0.20	1000
CT1008HQF-R15_	150	25	48	100	820	0.23	1000
CT1008HQF-R22_	220	25	48	100	730	0.45	1000
CT1008HQF-R27_	270	25	48	100	650	0.50	900
CT1008HQF-R33_	330	25	48	100	570	0.65	900
CT1008HQF-R39_	390	25	48	100	530	0.70	900

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.	D Ref.	E	F	G
mm	2.96	2.79	2.10	0.65	2.03	0.51	1.52
inches	0.117	0.110	0.083	0.026	0.080	0.020	0.060



CHARACTERISTICS

- Description:** SMD wire-wound chip inductor (High Q)
- Applications:** LC resonant circuits such as oscillator and signal generators, impedance matching, circuit isolation, RF filters, disk drives and computer peripherals, audio and video equipment, TV, radio and telecommunication equipment
- Operating Temperature:** -40°C to +125°C
- Inductance Tolerance:** ±2%, ±5%, ±10%
- Testing:** Inductance and Q tested on an HP4287A at a specified frequency
- Packaging:** Tape & Reel
- Miscellaneous:** RoHS Compliant.
- Additional Information:** Additional electrical & physical information available upon request
- Samples available. See website for ordering information.**

PAD LAYOUT

