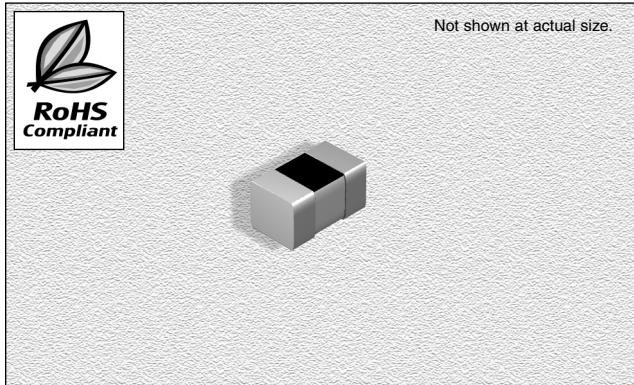


## CTLL1005F-FH Series

### From 1.0 nH to 120 nH

#### ENGINEERING KIT #6F



#### CHARACTERISTICS

**Description:** Ceramic core, multi-layer chip inductor for high frequency applications

**Applications:** Portable telephones, PMS, pagers and miscellaneous high frequency circuits

**Temperature Coefficient:** +250ppm/°C

**Operating Temperature:** -55°C to + 125°C

**Inductance Tolerance:** ±0.3 nH, ±5% & ±10%

**Testing:** Inductance and Q are tested on an HP4286A at specified frequency

**Packaging:** Tape & Reel

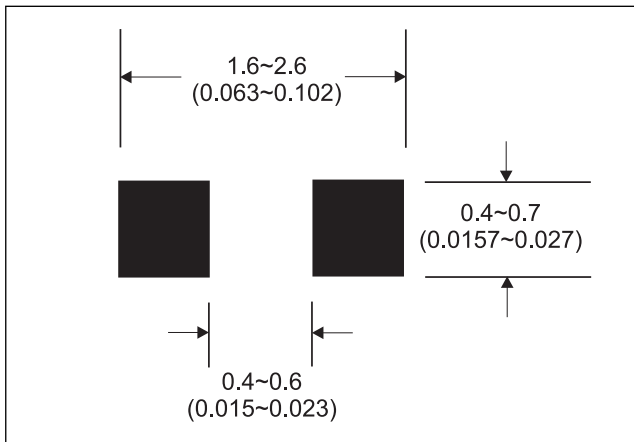
**Marking:** Reels marked with inductance code and tolerance

**Miscellaneous:** RoHS Compliant.

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

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

#### PAD LAYOUT



#### SPECIFICATIONS

Please specify tolerance code when ordering.  
 CTLL1005F-FH5N6\_ ← S = ±0.3nH, J = ±5%, K = ±10%  
 \* S or K only, \*\* J or K only

Part Number	Inductance (nH)	L Test Freq. (MHz)	Q Factor Min.	Q Test Freq. (MHz)	SRF Typ. (MHz)	DCR Max. (Ω)	Rated DC (mA)
CTLL1005F-FH1N0S	1.0	100	8	100	10000	.07	300
CTLL1005F-FH1N2S	1.2	100	8	100	10000	.09	300
CTLL1005F-FH1N5S	1.5	100	8	100	9000	.10	300
CTLL1005F-FH1N8S	1.8	100	8	100	8700	.10	300
CTLL1005F-FH2N2S	2.2	100	8	100	8100	.12	300
CTLL1005F-FH2N7S	2.7	100	8	100	7700	.15	300
CTLL1005F-FH3N3_*	3.3	100	8	100	6300	.15	300
CTLL1005F-FH3N9_*	3.9	100	8	100	6100	.18	300
CTLL1005F-FH4N7_*	4.7	100	8	100	6000	.18	300
CTLL1005F-FH5N6_*	5.6	100	8	100	5100	.20	300
CTLL1005F-FH6N8_**	6.8	100	8	100	4550	.24	300
CTLL1005F-FH8N2_**	8.2	100	8	100	4100	.24	300
CTLL1005F-FH10N_**	10	100	8	100	3900	.26	300
CTLL1005F-FH12N_**	12	100	8	100	3000	.40	300
CTLL1005F-FH15N_**	15	100	8	100	2800	.50	300
CTLL1005F-FH18N_**	18	100	8	100	2500	.55	300
CTLL1005F-FH22N_**	22	100	8	100	2200	.70	300
CTLL1005F-FH27N_**	27	100	8	100	2000	.80	300
CTLL1005F-FH33N_**	33	100	8	100	1800	.90	200
CTLL1005F-FH39N_**	39	100	8	100	1600	1.0	150
CTLL1005F-FH47N_**	47	100	8	100	1400	1.2	150
CTLL1005F-FH56N_**	56	100	8	100	1300	1.3	150
CTLL1005F-FH68N_**	68	100	8	100	1100	1.5	100
CTLL1005F-FH82N_**	82	100	8	100	1000	1.6	100
CTLL1005F-FHR10_**	100	100	8	100	900	2.0	100
CTLL1005F-FHR12_**	120	100	8	100	600	2.5	100

#### PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	1.0±0.15	0.5±0.15	0.5±0.15	0.25±0.1
inches	0.04±0.006	0.02±0.006	0.02±0.006	0.01±0.004

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