CTLL1608FH Series

From 1.0 nH to 220 nH

ENGINEERING KIT #6F

RoHS Compliant Available

Not shown at actual size.
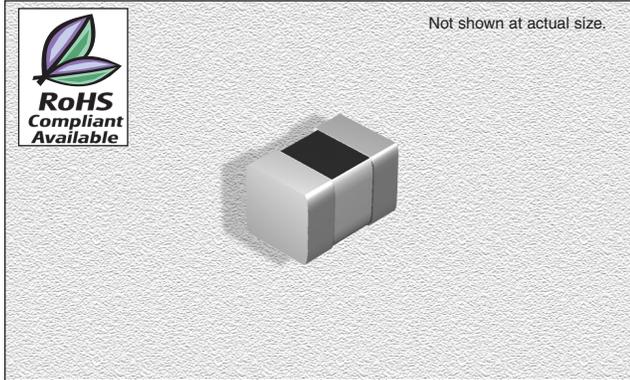
CHARACTERISTICS

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

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

Operating Temperature: -40°C to +100°C

Inductance Tolerance: ±0.3nH, ±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 available.

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.
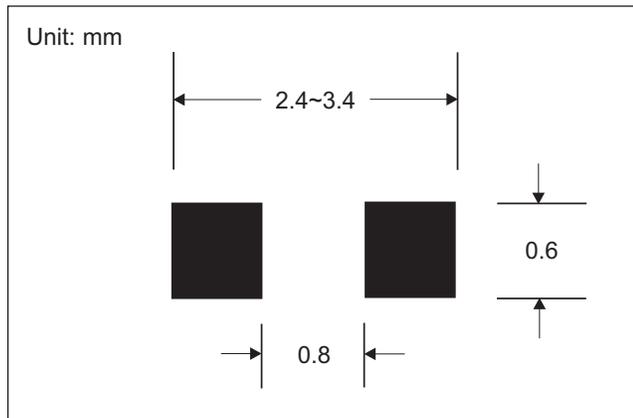
SPECIFICATIONS

Please specify tolerance code when ordering.

CTLL1608-FH3N3_ ← S = ±0.3nH, J = ±5%, K = ±10%

* S, K only   ** J, K only

CTLL1608F Please specify "F" for RoHS compliant

Part Number	L (nH)	Q Min. at 50 (MHz)	Q Min. at 100 (MHz)	Q Typ. at 50 (MHz)	Q Typ. at 100 (MHz)	Q Typ. at 300 (MHz)	Q Typ. at 500 (MHz)	Q Typ. at 800 (MHz)	SRF Typ. (MHz)	DCR Max (Ω)	IDC Max. (mA)
CTLL1608_-FH1N0S	1.0		8	12				60	10000	0.10	500
CTLL1608_-FH1N2S	1.2		8	13				60	10000	0.10	500
CTLL1608_-FH1N5S	1.5		8	13				57	8000	0.10	500
CTLL1608_-FH1N8S	1.8		8	13				51	8000	0.10	500
CTLL1608_-FH2N2S	2.2		8	13				46	7200	0.10	500
CTLL1608_-FH2N7S	2.7		10	13				46	6200	0.10	500
CTLL1608_-FH3N3_ *	3.3		10	13				47	5200	0.12	500
CTLL1608_-FH3N9_ *	3.9		10	13				47	5000	0.14	500
CTLL1608_-FH4N7_ *	4.7		10	13				41	4750	0.16	500
CTLL1608_-FH5N6_ *	5.6		10	13				41	4100	0.18	500
CTLL1608_-FH6N8_ **	6.8		10	13				44	3750	0.22	500
CTLL1608_-FH8N2_ **	8.2		10	13				44	3300	0.24	500
CTLL1608_-FH10N_ **	10		12	13				45	3000	0.26	300
CTLL1608_-FH12N_ **	12		12	15				46	2600	0.28	300
CTLL1608_-FH15N_ **	15		12	15				48	2500	0.32	300
CTLL1608_-FH18N_ **	18		12	15				48	2400	0.35	300
CTLL1608_-FH22N_ **	22		12	17				45	2000	0.40	300
CTLL1608_-FH27N_ **	27		12	17				43	1900	0.45	300
CTLL1608_-FH33N_ **	33		12	18				39	1600	0.55	300
CTLL1608_-FH39N_ **	39		12	18			37		1400	0.60	300
CTLL1608_-FH47N_ **	47		12	18			35		1300	0.70	300
CTLL1608_-FH56N_ **	56		12	18			32		1100	0.75	300
CTLL1608_-FH62N_ **	62		12	18			34		1050	0.85	300
CTLL1608_-FH68N_ **	68		12	18			34		1050	0.85	300
CTLL1608_-FH82N_ **	82		12	18			32		900	1.0	300
CTLL1608_-FHR10_ **	100		12	18		20			770	1.2	300
CTLL1608_-FHR12_ **	120	8			14	20			850	2.3	250
CTLL1608_-FHR15_ **	150	8			15	16			550	2.4	250
CTLL1608_-FHR18_ **	180	8			15	16			520	2.7	250
CTLL1608_-FHR22_ **	220	8			15	16			500	3.0	250

PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	1.6±0.15	0.8±0.15	0.8±0.15	0.3±0.2
inches	0.06±0.006	0.03±0.006	0.03±0.006	0.01±0.008

PAD LAYOUT

Unit: mm

2.4~3.4

0.6

0.8

05.14.07

CENTRAL Technologies