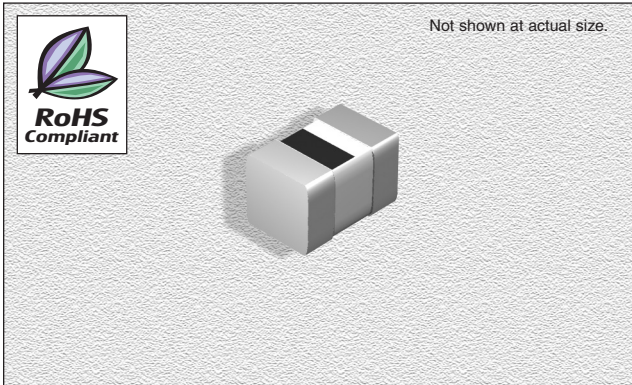


CTLH1608F Series

From 1.0 nH to 220 nH

SPECIFICATIONS

Please specify tolerance code when ordering.
 CTLH1608F-3N3_ ← S = ±0.3nH, J = ±5%, K = ±10%
 * S, K only ** J, K only



CHARACTERISTICS

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

Applications: RF Resonance and Impedance Matching Circuit. RF and wireless communication. Information technology equipment, computers, telecommunications, radar detectors, automotive electronics, cellular phones, pagers, PDAs, keyless remote systems. Use in L-C filter configurations.

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

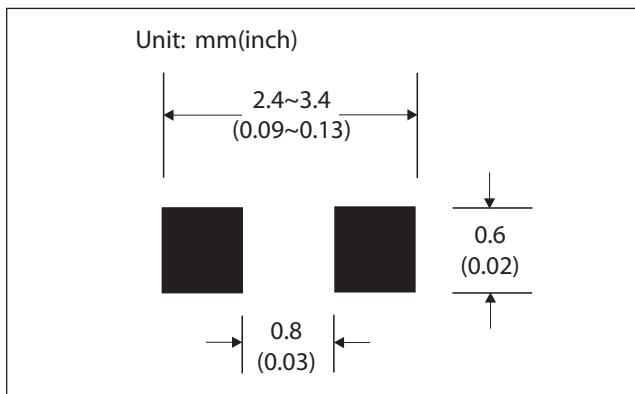
Marking: Reels marked with inductance code and tolerance

Miscellaneous: RoHS Compliant

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

PAD LAYOUT

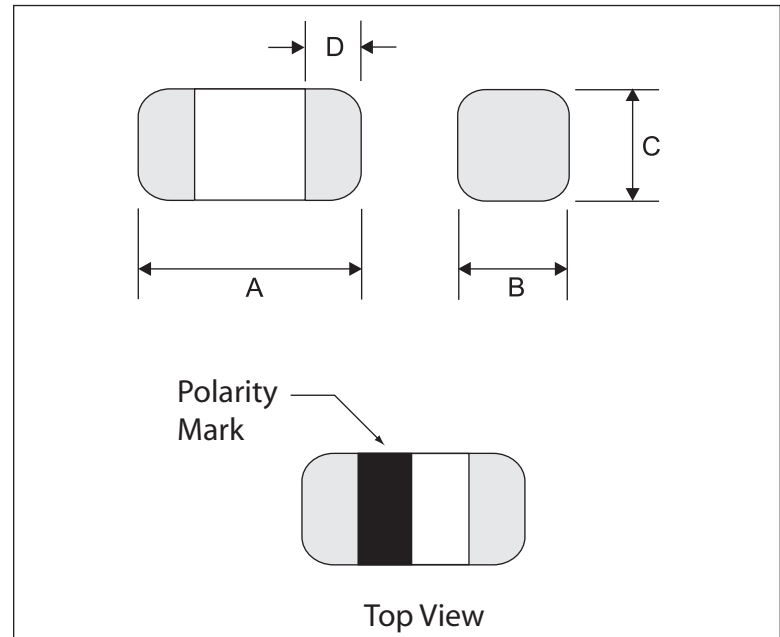


Part Number	Inductance at 100MHz (nH)	Q Min. at (MHz)		Q Typ. at (MHz)			SRF Typ. (MHz)	DCR Max (Ω)	IDC Max. (mA)	
		50	100	50	100	300				500
CTLH1608F-1N0S	1.0		8		12		43	10000	.10	500
CTLH1608F-1N2S	1.2		8		13		44	10000	.10	500
CTLH1608F-1N5S	1.5		8		13		45	8000	.10	500
CTLH1608F-1N8S	1.8		8		13		46	8000	.10	500
CTLH1608F-2N2S	2.2		8		13		46	7200	.10	500
CTLH1608F-2N7S	2.7		10		13		46	6200	.10	500
CTLH1608F-3N3_*	3.3		10		13		47	5200	.12	500
CTLH1608F-3N9_*	3.9		10		13		47	5000	.14	500
CTLH1608F-4N7_*	4.7		10		13		41	4750	.16	500
CTLH1608F-5N6_*	5.6		10		13		41	4100	.18	500
CTLH1608F-6N8_**	6.8		10		13		44	3750	.22	500
CTLH1608F-8N2_**	8.2		10		13		44	3300	.24	500
CTLH1608F-10N_**	10		12		13		45	3000	.26	300
CTLH1608F-12N_**	12		12		15		46	2600	.28	300
CTLH1608F-15N_**	15		12		15		48	2500	.32	300
CTLH1608F-18N_**	18		12		15		48	2400	.35	300
CTLH1608F-22N_**	22		12		17		45	2000	.40	300
CTLH1608F-27N_**	27		12		17		43	1900	.45	300
CTLH1608F-33N_**	33		12		18		39	1600	.55	300
CTLH1608F-39N_**	39		12		18	37		1400	.60	300
CTLH1608F-47N_**	47		12		18	35		1300	.70	300
CTLH1608F-56N_**	56		12		18	32		1100	.75	300
CTLH1608F-62N_**	62		12		18	32		1050	.85	300
CTLH1608F-68N_**	68		12		18	32		1050	.85	300
CTLH1608F-82N_**	82		12		18	30		900	1.0	300
CTLH1608F-R10_**	100		12		18	20		770	1.2	300
CTLH1608F-R12_**	*120	8			14	20		850	2.3	250
CTLH1608F-R15_**	*150	8			15	16		550	2.4	250
CTLH1608F-R18_**	*180	8			15	16		520	2.7	250
CTLH1608F-R22_**	*220	8			15	16		500	3.0	250

*Inductance Test Freq. at 50MHz

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



05.15.07