

## CT1008LS Series

From 1.2  $\mu\text{H}$  to 56  $\mu\text{H}$



### Ordering Info

Please specify tolerance code when ordering.

CT1008LS-122\_ ← G =  $\pm 2\%$ , J =  $\pm 5\%$ , K =  $\pm 10\%$ , M =  $\pm 20\%$   
Add Letter 'G' at the end of part number for gold terminations

Central Tech Part Number	Inductance ( $\mu\text{H}$ )	L Test Freq. (MHz)	Q Fact. Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. ( $\Omega$ )	Rated DC (mA)
CT1008LS-122_	1.2	7.9	32	50	220	0.60	600
CT1008LS-152_	1.5	7.9	31	50	200	0.70	600
CT1008LS-182_	1.8	7.9	29	25	180	0.82	500
CT1008LS-222_	2.2	7.9	28	25	160	1.0	450
CT1008LS-272_	2.7	7.9	27	25	140	1.1	450
CT1008LS-332_	3.3	7.9	27	25	130	1.3	400
CT1008LS-392_	3.9	7.9	26	7.9	80	1.4	400
CT1008LS-472_	4.7	7.9	26	7.9	70	1.5	360
CT1008LS-562_	5.6	7.9	26	7.9	70	1.7	360
CT1008LS-682_	6.8	7.9	25	7.9	45	1.9	310
CT1008LS-822_	8.2	7.9	25	7.9	45	2.3	310
CT1008LS-103_	10	7.9	24	7.9	40	2.5	300
CT1008LS-123_	12	2.5	24	7.9	40	3.1	290
CT1008LS-153_	15	2.5	23	7.9	35	3.9	260
CT1008LS-183_	18	2.5	23	7.9	35	5.8	220
CT1008LS-223_	22	2.5	22	7.9	30	6.8	200
CT1008LS-273_	27	2.5	22	7.9	30	7.7	190
CT1008LS-333_	33	2.5	22	7.9	30	8.9	180
CT1008LS-393_	39	2.5	21	7.9	20	9.2	170
CT1008LS-473_	47	2.5	21	7.9	20	10.5	160
CT1008LS-563_	56	2.5	20	5.0	20	11.8	150

### Characteristics

**Operating Temperature:**  $-55^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$

**Inductance Tolerance:**  $\pm 2\%$ ,  $\pm 5\%$ ,  $\pm 10\%$  &  $\pm 20\%$

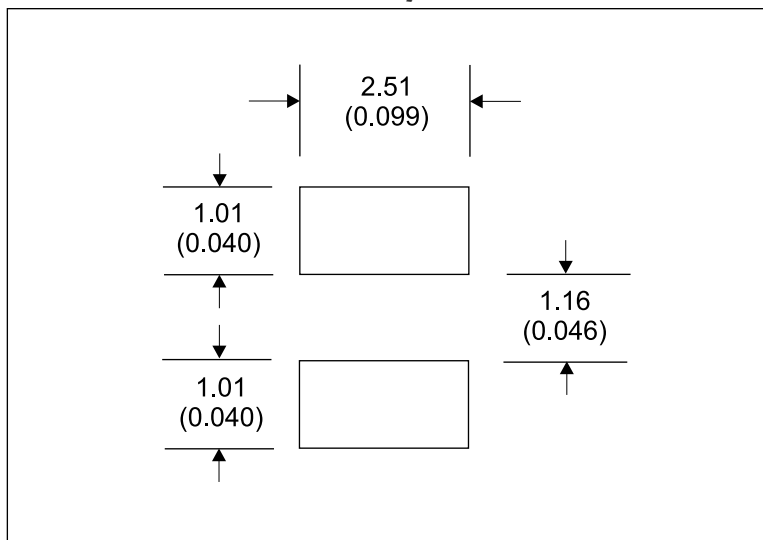
**Material:** Wire-wound ferrite core

**Packaging:** Tape & Reel, 2,000 parts per reel

**Solderability:** Wave & Reflow soldering

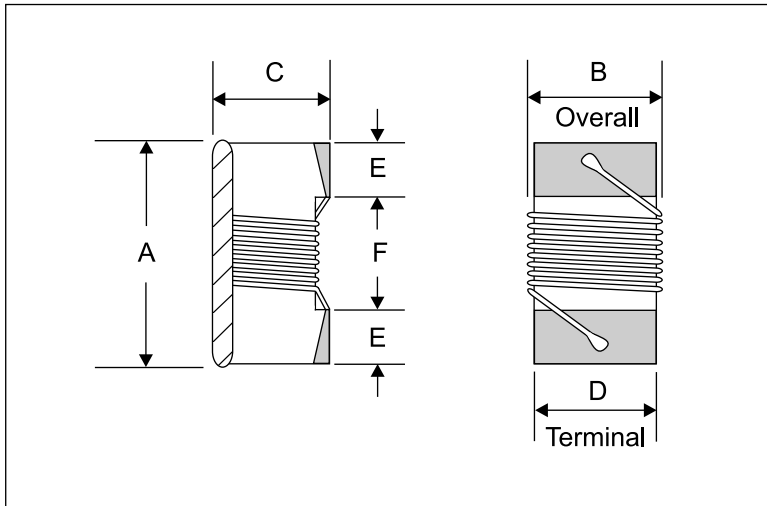
**Terminations:** Tin termination (standard). Gold flashing also available by adding a 'G' after tolerance.

### Pad Layout



**Physical Dimensions**

Size	A	B	C	D	E	F
mm	2.55	2.38	2.10	2.00	0.50	1.43
inches	0.100	0.091	0.083	0.079	0.020	0.056



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Notes