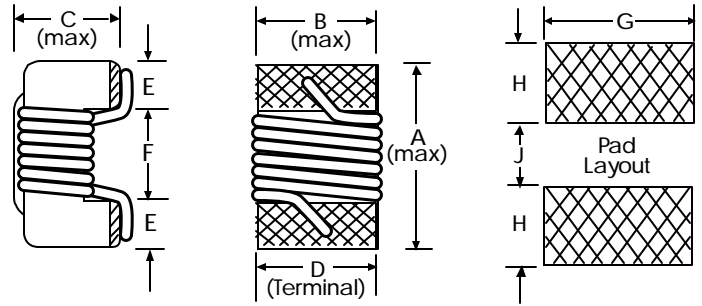
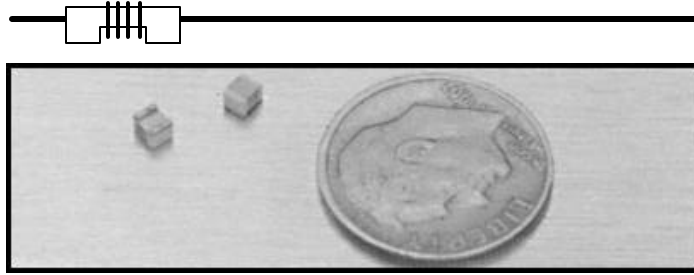


LC1008 Ceramic Core



APPLICATIONS

- LC resonant circuits such as oscillators and signal generators
- Impedance matching
- Circuit isolation
- RF filters
- Disk drives and computer peripherals
- Audio equipment
- Video equipment
- TV and radio
- Telecommunication equipment

A MAX.	B MAX.	C MAX.	D	E	F	G	H	J
2.46 0.097	2.36 0.093	2.18 0.086	2.00 0.079	0.50 0.020	1.43 0.056	2.51 0.099	1.01 0.040	1.18 0.048

CHARACTERISTICS

DIELECTRIC STRENGTH: 500 Volts RMS at sea level

OPERATING TEMPERATURE: -25°C to +85°C

STORAGE TEMPERATURE: -45°C to +100°C in original tape and reel package

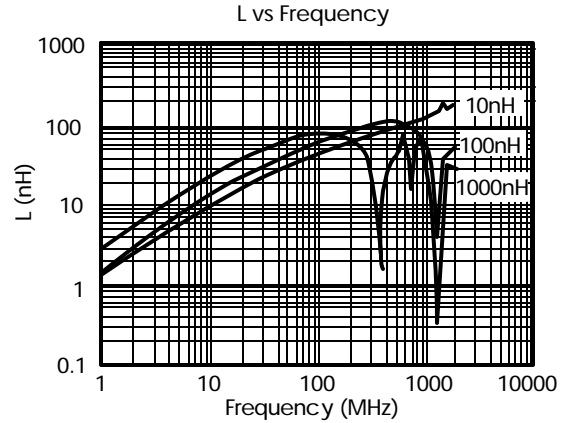
SOLDERING HEAT RESISTANCE: 250°C for 10 seconds after 120°C preheat cycle for 5 minutes

SOLDERABILITY: Terminals are covered 95% with solder
RESISTANCE TO SOLVENTS: No change in appearance when dipped into alcohol or freon for 3 minutes

MARKING: Marked with inductance value in EIA code

Notes:

- (1) Available tolerances: (G) 2%, (J) 5%, (K) 10%, (M) 20%.
- (2) Q measured using HP4286 ARF Impedance Analyzer with HP16193A Test Fixture.
- (3) R_{dc} measured using HP4286A.
- (4) SRF measured using HP8753D Network Analyzer.
- (5) Packaging: Tape and Reel only.



PART NUMBER (1)	INDUCTANCE NOMINAL (nH)	INDUCTANCE FREQUENCY (MHZ)	Q MINIMUM (2)	Q @ MHZ (2)	DC RESISTANCE OHMS MAX (W) (3)	SELF RESONANT FREQUENCY MINIMUM (MHz) (4)	RATED DC CURRENT MAX (mA)
LC1008-100	10	50	62	500	.02	4714	1000
LC1008-120	12	50	74	500	.02	4194	1000
LC1008-150	15	50	62	500	.04	2921	1000
LC1008-180	18	50	84	350	.03	3204	1000
LC1008-220	22	50	50	350	.03	3352	1000
LC1008-270	27	50	50	350	.04	2647	1000
LC1008-330	33	50	50	350	.06	2106	1000
LC1008-390	39	50	50	350	.07	1964	1000
LC1008-470	47	50	58	350	.15	1594	1000
LC1008-560	56	50	77	350	.09	1588	1000
LC1008-680	68	50	62	350	.09	1182	1000
LC1008-820	82	50	50	350	.11	1400	1000
LC1008-101	100	25	67	350	.28	1128	650
LC1008-121	120	25	60	350	.48	1185	650
LC1008-151	150	25	45	100	.33	863	580
LC1008-181	180	25	45	100	.42	954	580
LC1008-221	220	25	49	100	.21	823	500
LC1008-271	270	25	45	100	.75	609	500
LC1008-331	330	25	53	100	.55	619	400
LC1008-391	390	25	50	100	.60	574	400
LC1008-471	470	25	53	100	1.01	510	400
LC1008-561	560	25	52	100	1.08	457	380
LC1008-621	620	25	54	100	1.14	451	380
LC1008-681	680	25	45	100	1.21	436	380
LC1008-751	750	25	51	100	1.27	394	380
LC1008-821	820	25	45	100	1.41	416	380
LC1008-911	910	25	35	50	1.47	355	380
LC1008-102	1000	25	45	50	1.54	353	380