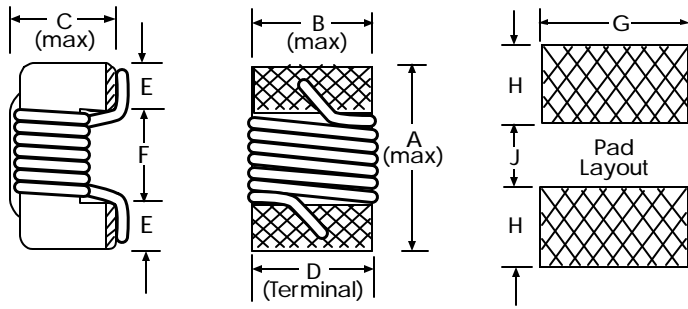
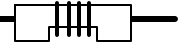
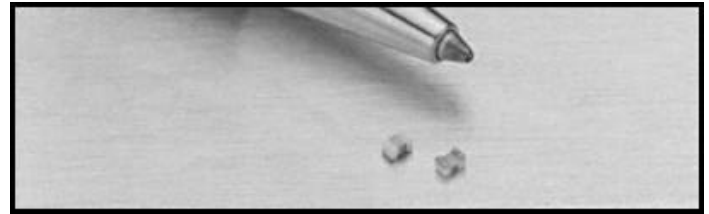


Ceramic Core LC0805



A MAX.	B MAX.	C MAX.	D	E	F	G	H	J
2.08	1.52	1.40	1.27	0.50	1.03	1.78	1.01	0.77
0.082	0.060	0.055	0.050	0.020	0.040	0.070	0.040	0.030



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

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:

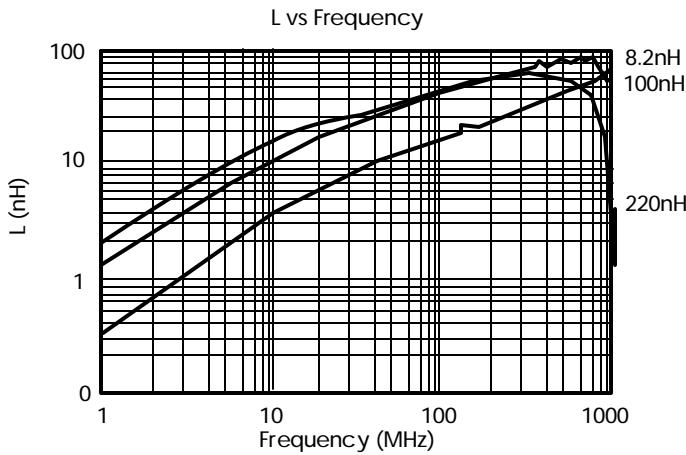
(1) Available tolerances: (G) 2%, (J) 5%, (K) 10%, (M) 20%

(2) Q measured using HP4286A RF 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 (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)
LC0805-6N8	6.8	250	50	1000	0.08	7141	500
LC0805-8N2	8.2	250	52	1000	0.08	9343	500
LC0805-120	12	250	45	500	0.08	5298	500
LC0805-150	15	250	47	500	0.09	3902	500
LC0805-180	18	250	50	500	0.11	4475	500
LC0805-220	22	250	60	500	0.09	3147	500
LC0805-270	27	250	60	500	0.11	3337	500
LC0805-330	33	250	58	500	0.14	2451	500
LC0805-390	39	250	54	500	0.15	2484	500
LC0805-470	47	200	56	500	0.23	1882	500
LC0805-560	56	200	64	500	0.17	1945	500
LC0805-680	68	200	63	500	0.24	1653	500
LC0805-820	82	150	62	500	0.21	1574	500
LC0805-101	100	150	64	500	0.30	1477	400
LC0805-121	120	150	50	250	0.51	1288	400
LC0805-151	150	100	50	250	0.30	1111	400
LC0805-181	180	100	51	250	0.46	1073	400
LC0805-221	220	100	48	250	0.49	967	400