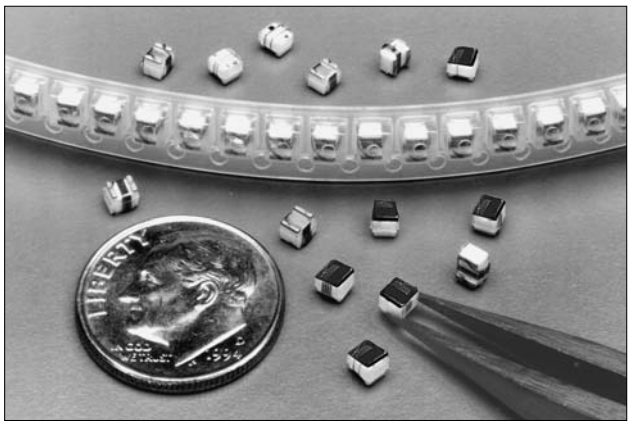
WIRE-WOUND RF CHIP INDUCTORS - 1008CQ SERIES



- Wirewound ceramic core construction
- High Q values and Idc values
- High self resonant frequency
- Industry standard 1008 (2520) surface mount land pattern
- See page 3 for Competition Cross Reference

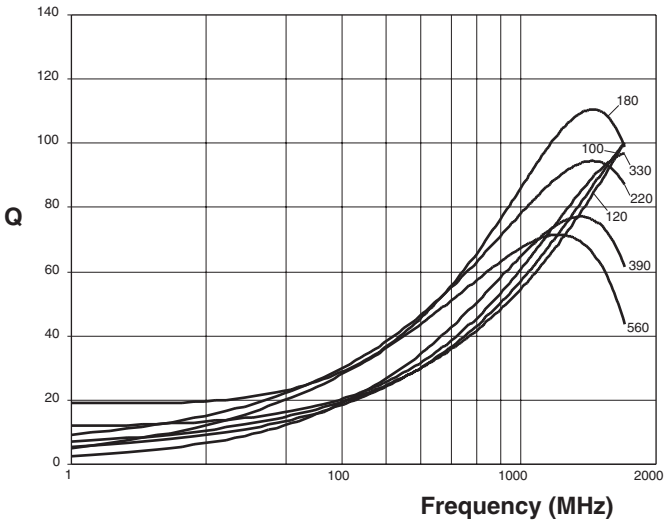
Electrical Specifications @ 25°C

Part Number	Inductance [1] (nH)	Standard Tolerance	Optional Tolerance	Q [2] (MIN)	SRF Min [3] (MHz MIN)	R_{DC} [4] (Ω MAX)	I_{DC} [5] (mA MAX)
PE-1008CQ4N1KTT	4.1 @ 50MHz	±10% (K)	±5% (J)	75 @ 1500MHz	6000	0.05	1600
PE-1008CQ100KTT	10 @ 50MHz	±10% (K)	±5% (J)	60 @ 500MHz	3600	0.06	1600
PE-1008CQ120KTT	12 @ 50MHz	±10% (K)	±5% (J)	70 @ 500MHz	2800	0.06	1500
PE-1008CQ180KTT	18 @ 50MHz	±10% (K)	±5% (J)	62 @ 350MHz	2700	0.07	1400
PE-1008CQ220KTT	22 @ 50MHz	±10% (K)	±5% (J)	62 @ 350MHz	2050	0.07	1400
PE-1008CQ330KTT	33 @ 50MHz	±10% (K)	±5% (J)	75 @ 350MHz	1700	0.09	1300
PE-1008CQ390KTT	39 @ 50MHz	±10% (K)	±5% (J)	75 @ 350MHz	1300	0.09	1300
PE-1008CQ470KTT	47 @ 50MHz	±10% (K)	±5% (J)	75 @ 350MHz	1450	0.12	1200
PE-1008CQ560KTT	56 @ 50MHz	±10% (K)	±5% (J)	75 @ 350MHz	1230	0.12	1200
PE-1008CQ680KTT	68 @ 50MHz	±10% (K)	±5% (J)	80 @ 350MHz	1150	0.13	1100
PE-1008CQ820KTT	82 @ 50MHz	±10% (K)	±5% (J)	80 @ 350MHz	1060	0.16	1100
PE-1008CQ101KTT	100 @ 50MHz	±10% (K)	±5% (J)	62 @ 350MHz	820	0.16	1000
PE-1008CQ121KTT	120 @ 50MHz	±10% (K)	±5% (J)	62 @ 350MHz	800	0.17	1000
PE-1008CQ151KTT	150 @ 50MHz	±10% (K)	±5% (J)	60 @ 350MHz	750	0.21	950
PE-1008CQ181KTT	180 @ 50MHz	±10% (K)	±5% (J)	40 @ 350MHz	720	0.23	920
PE-1008CQ221KTT	220 @ 50MHz	±10% (K)	±5% (J)	35 @ 350MHz	680	0.29	900
PE-1008CQ271KTT	270 @ 50MHz	±10% (K)	±5% (J)	35 @ 350MHz	600	0.55	600
PE-1008CQ331KTT	330 @ 50MHz	±10% (K)	±5% (J)	35 @ 100MHz	550	0.60	550
PE-1008CQ391KTT	390 @ 50MHz	±10% (K)	±5% (J)	35 @ 350MHz	500	0.82	470

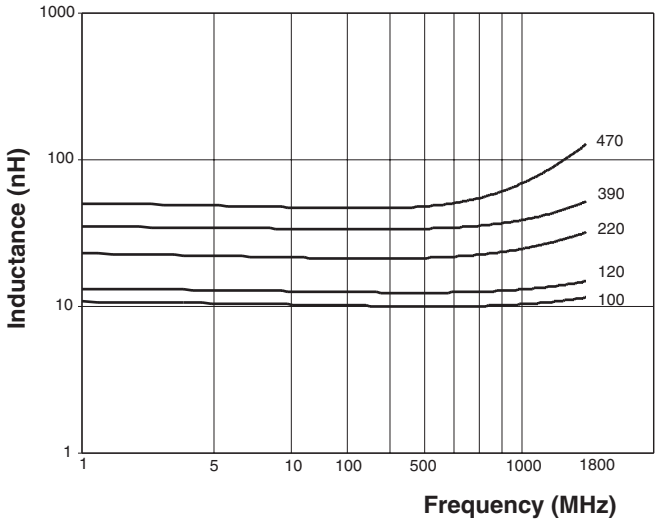
Notes:
1. Inductance measured using a HP4191A RF Impedance Analyzer.
2. Q measured using a HP4291A RF Impedance Analyzer with a HP16193A Test Fixture.
3. SRF measured using a HP8753C Network Analyzer.
4. R_{DC} measured using a Valhalla Scientific model 4100 ATC Digital Ohmmeter.
5. Based on a 15°C maximum temperature rise.
6. Component Weight: 0.032 grams typical.

WIRE-WOUND RF CHIP INDUCTORS - 1008CQ SERIES

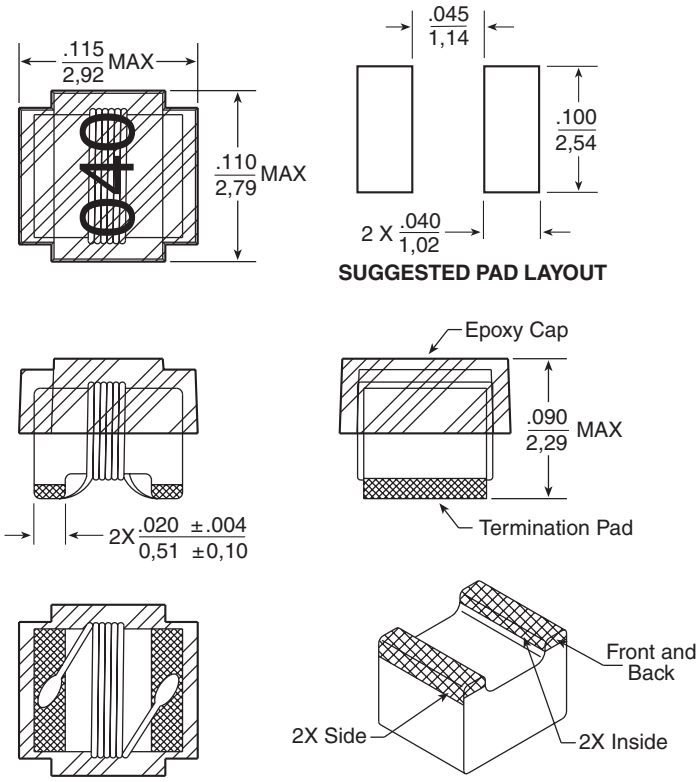
Typical Q vs Frequency



Typical Inductance vs Frequency



Mechanical



Dimensions: Inches / mm

Unless otherwise specified all tolerances are ± .010 / 0,25