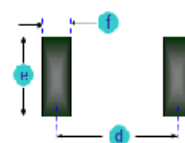
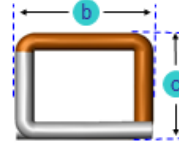
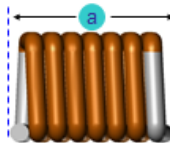
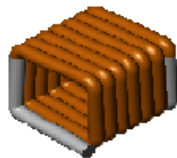


A. Electrical Specifications:

P/N	Turns	L (nH)	Tol.	Q Min.	Test Freq. (MHz)	DCR Max. (mΩ)	SRF Typ. (GHz)	I DC Max. (A)
LSQ0806A-5N5_	3	5.5	J, K	60	400	3.4	4.9	2.9
LSQ0806A-6N0_	3	6.0	J, K	64	400	6.0	5.2	2.9
LSQ0806A-8N9_	4	8.9	J, K	90	400	7.0	4.3	2.9
LSQ0806A-12N_	5	12.3	J, K	90	400	8.0	4.8	2.9
LSQ0806A-16N_	6	15.7	J, K	90	400	9.0	4.4	2.9
LSQ0806A-19N_	7	19.4	J, K	90	400	10.0	4.0	2.9

B. Dimensions: mm (Inch)

Series	a	b	c	d	e	f
LSQ0806A-5N5	1.346 (0.053)	1.829 (0.072)	1.397 (0.055)	0.962 (0.038)	2.6 (0.102)	0.51 (0.02)
Tol.	±0.102 (0.004)	±0.254 (0.01)	±0.102 (0.004)	Typ.	Typ.	Typ.
LSQ0806A-6N0	1.295 (0.051)	1.829 (0.072)	1.397 (0.055)	1.020 (0.040)	2.6 (0.102)	0.51 (0.02)
Tol.	±0.102 (0.004)	±0.254 (0.01)	±0.102 (0.004)	Typ.	Typ.	Typ.
LSQ0806A-8N9	1.626 (0.064)	1.829 (0.072)	1.397 (0.055)	1.320 (0.052)	2.6 (0.102)	0.51 (0.02)
Tol.	±0.152 (0.006)	±0.254 (0.01)	±0.102 (0.004)	Typ.	Typ.	Typ.
LSQ0806A-12N	1.93 (0.076)	1.829 (0.072)	1.397 (0.055)	1.630 (0.064)	2.6 (0.102)	0.51 (0.02)
Tol.	±0.152 (0.006)	±0.254 (0.01)	±0.102 (0.004)	Typ.	Typ.	Typ.
LSQ0806A-16N	2.286 (0.09)	1.829 (0.072)	1.397 (0.055)	1.960 (0.077)	2.6 (0.102)	0.51 (0.02)
Tol.	±0.152 (0.006)	±0.254 (0.01)	±0.102 (0.004)	Typ.	Typ.	Typ.
LSQ0806A-19N	2.591 (0.102)	1.829 (0.072)	1.397 (0.055)	2.290 (0.090)	2.6 (0.102)	0.51 (0.02)
Tol.	±0.152 (0.006)	±0.254 (0.01)	±0.102 (0.004)	Typ.	Typ.	Typ.



C. General Information:

- LSQ0806A-xxx, "LSQ0806A" = P/N, "xxx" = Inductance, "_" = Tolerance.
- Tolerance "_": K: ± 10%, J: ± 5%
- Test Frequency: 400MHz, 0.1Vrms.
- Small and lightweight surface mounting type
- High Q at high frequency
- High self-resonance frequency
- Maximum Temperature Rise: 15°C (when measured at 25°C ambient).
- Inductance & Q measured with HP4291B Impedance Analyzer with HP16193 test fixture
- SRF measured using the HP8753E Network Analyzer or equivalent.
- DCR measured using the Chroma 16502 or equivalent.
- Operating temperature: -40°C to +125°C
- Storage temp. : -40°C to +85°C.
- Inductance and Current Range: From 5.5 nH (2900 mA) to 19.4 nH (2900 mA)
- SRF: From 4000 MHz to 4900 MHz
- MSL: Level 1.



D. Applications:

1. Game Consoles
2. Set Top Boxes
3. Cables Modems
4. Computers
5. Mobile Communication Devices (Cell Phones, Radios)
6. RF Filters

E. Characteristics curve:

