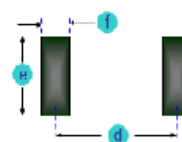
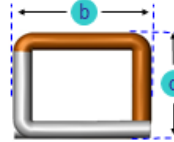
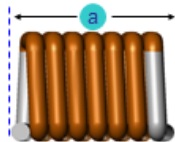
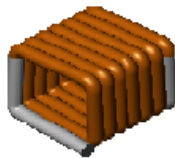


A. Electrical Specifications:

P/N	Turns	L (nH)	Tol.	Q Min.	Test Freq. MHz	DCR Max. (mΩ)	SRF Typ. (GHz)	I DC Max. (A)
LSQ0807A-6N9_	3	6.9	J, K	100	400	6.0	4.6	2.7
LSQ0807A-10N_	4	10.2	J, K	100	400	7.0	4.0	2.7
LSQ0807A-11N_	4	11.2	J, K	90	400	6.3	3.6	2.7
LSQ0807A-14N_	5	13.7	J, K	100	400	8.0	4.3	2.7
LSQ0807A-17N_	6	17.0	J, K	100	400	9.0	4.0	2.7
LSQ0807A-22N_	7	22.0	J, K	100	400	10.0	3.5	2.7

B. Dimensions: mm (Inch)

Series	a	b	c	d	e	f
LSQ0807A-6N9	1.295 (0.051)	1.829 (0.072)	1.524 (0.060)	1.02 (0.040)	2.600 (0.102)	0.510 (0.02)
Tol.	±0.102 (0.004)	±0.254 (0.010)	±0.254 (0.010)	Typ.	Typ.	Typ.
LSQ0807A-10N	1.626 (0.064)	1.829 (0.072)	1.524 (0.060)	1.32 (0.052)	2.600 (0.102)	0.510 (0.02)
Tol.	±0.152 (0.006)	±0.254 (0.010)	±0.254 (0.010)	Typ.	Typ.	Typ.
LSQ0807A-11N	1.549 (0.061)	1.829 (0.072)	1.524 (0.060)	1.24 (0.049)	2.600 (0.102)	0.510 (0.02)
Tol.	±0.152 (0.006)	±0.254 (0.010)	±0.254 (0.010)	Typ.	Typ.	Typ.
LSQ0807A-14N	1.930 (0.076)	1.829 (0.072)	1.524 (0.060)	1.63 (0.064)	2.600 (0.102)	0.510 (0.02)
Tol.	±0.152 (0.006)	±0.254 (0.010)	±0.254 (0.010)	Typ.	Typ.	Typ.
LSQ0807A-17N	2.286 (0.090)	1.829 (0.072)	1.524 (0.060)	1.96 (0.077)	2.600 (0.102)	0.510 (0.02)
Tol.	±0.152 (0.006)	±0.254 (0.010)	±0.254 (0.010)	Typ.	Typ.	Typ.
LSQ0807A-22N	2.591 (0.102)	1.829 (0.072)	1.524 (0.060)	2.29 (0.090)	2.600 (0.102)	0.510 (0.02)
Tol.	±0.152 (0.006)	±0.254 (0.010)	±0.254 (0.010)	Typ.	Typ.	Typ.



C. General Information:

- LSQ0807A-xxx_, "LSQ0807A" = 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 6.9 nH (2700 mA) to 22.0 nH (2700 mA)
- SRF: From 3500 MHz to 4600 MHz
- MSL: Level 1.

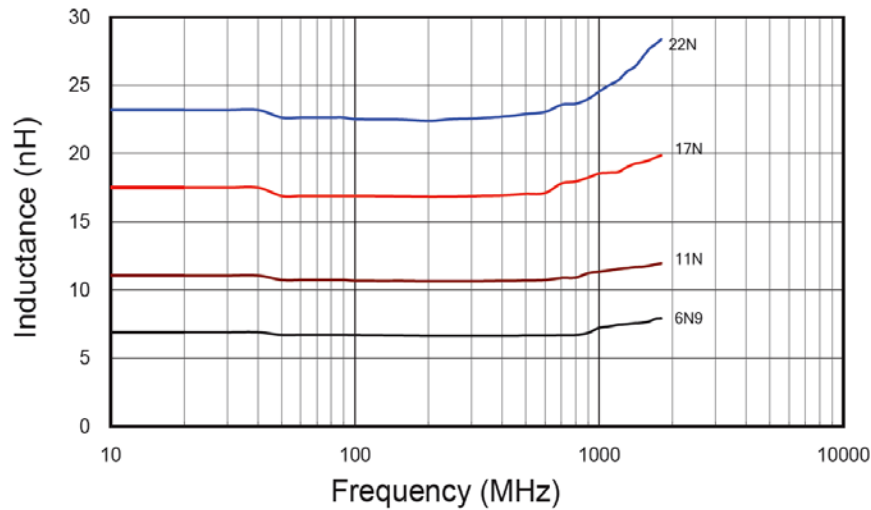


D. Applications:

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:

Inductance vs. Frequency



Typical Q vs. Frequency

