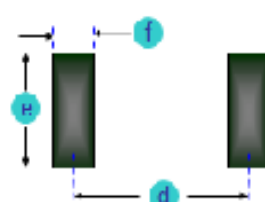
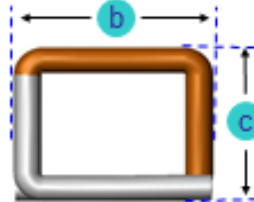
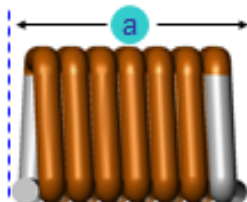
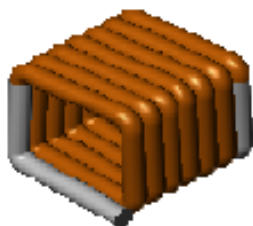


A. Electrical Specifications:

P/N	Turns	L (nH)	Tol.	Q Min.	Test Freq. (MHz)	DCR Max. (mΩ)	SRF Typ. (GHz)	I DC Max. (A)
LSQ0908A-8N1	3	8.1	J, K	130	400	6.0	5.2	4.4
LSQ0908A-12N	4	12.1	J, K	130	400	7.0	4.3	4.4
LSQ0908A-15N	4	14.7	J, K	90	400	7.2	3.0	4.4
LSQ0908A-17N	5	16.6	J, K	130	400	8.0	3.4	4.4
LSQ0908A-22N	6	21.5	J, K	130	400	9.0	3.7	4.4
LSQ0908A-23N	6	23.0	J, K	130	400	10.0	2.6	4.4
LSQ0908A-25N	7	25.0	J, K	130	400	10.0	2.5	4.4
LSQ0908A-27N	7	27.3	J, K	130	400	10.0	3.2	4.4

B. Dimensions: mm (Inch)

Series	a	b	c	d	e	f
LSQ0908A-8N1	1.473 (0.058)	2.134 (0.084)	1.829 (0.072)	1.12 (0.044)	2.8 (0.11)	0.64 (0.025)
Tol.	±0.152 (0.006)	±0.152 (0.006)	±0.152 (0.006)	Max.	Typ	Typ
LSQ0908A-12N	1.854 (0.073)	2.134 (0.084)	1.829 (0.072)	1.45 (0.057)	2.8 (0.11)	0.64 (0.025)
Tol.	±0.152 (0.006)	±0.152 (0.006)	±0.152 (0.006)	Max.	Typ	Typ
LSQ0908A-15N	1.549 (0.061)	2.134 (0.084)	1.829 (0.072)	1.24 (0.049)	2.8 (0.11)	0.64 (0.025)
Tol.	±0.152 (0.006)	±0.152 (0.006)	±0.152 (0.006)	Max.	Typ	Typ
LSQ0908A-17N	2.210 (0.087)	2.134 (0.084)	1.829 (0.072)	1.83 (0.072)	2.8 (0.11)	0.64 (0.025)
Tol.	±0.152 (0.006)	±0.152 (0.006)	±0.152 (0.006)	Max.	Typ	Typ
LSQ0908A-22N	2.565 (0.101)	2.134 (0.084)	1.829 (0.072)	2.18 (0.086)	2.8 (0.11)	0.64 (0.025)
Tol.	±0.152 (0.006)	±0.152 (0.006)	±0.152 (0.006)	Max.	Typ	Typ
LSQ0908A-23N	2.235 (0.088)	2.134 (0.084)	1.829 (0.072)	1.9 (0.075)	2.8 (0.11)	0.64 (0.025)
Tol.	±0.152 (0.006)	±0.152 (0.006)	±0.152 (0.006)	Max.	Typ	Typ
LSQ0908A-25N	2.972 (0.117)	2.134 (0.084)	1.829 (0.072)	2.57 (0.101)	2.8 (0.11)	0.64 (0.025)
Tol.	±0.152 (0.006)	±0.152 (0.006)	±0.152 (0.006)	Max.	Typ	Typ
LSQ0908A-27N	2.972 (0.117)	2.134 (0.084)	1.829 (0.072)	2.57 (0.101)	2.8 (0.11)	0.64 (0.025)
Tol.	±0.152 (0.006)	±0.152 (0.006)	±0.152 (0.006)	Max.	Typ	Typ





C. General Information :

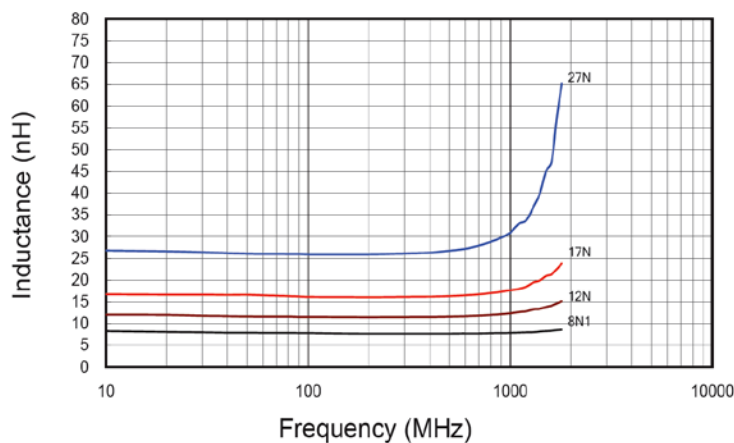
1. LSQ0908A-xxx_, "LSQ0908A" = P/N, "xxx" = Inductance, "_" = Tolerance.
2. Tolerance "_": K: $\pm 10\%$, J: $\pm 5\%$
3. Test Frequency: 400MHz, 0.1Vrms.
4. Small and lightweight surface mounting type
5. High Q at high frequency
6. High self-resonance frequency
7. Maximum Temperature Rise: 15°C (when measured at 25°C ambient).
8. Inductance & Q measured with HP4291B Impedance Analyzer with HP16193 test fixture
9. SRF measured using the HP8753E Network Analyzer or equivalent.
10. DCR measured using the Chroma 16502 or equivalent.
11. Operating temperature: -40°C to +125°C
12. Storage temp. : -40°C to +85°C.
13. Inductance and Current Range: From 8.1 nH (4400 mA) to 27.3 nH (4400 mA)
14. SRF: From 3200 MHz to 5200 MHz
15. 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

