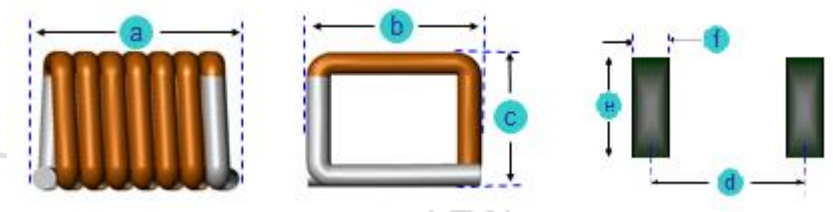


High SRF and High-Q Square Surface Mount Air Coils
Inductance: 6.2 ~ 12.0 nH
Current: 2.0 Amps (max)

ELECTRICAL SPECIFICATIONS:

P/N	Turns	L (nH)	Tolerance	Q (min)	Test Freq (MHz)	DCR (mΩ)	SRF (GHz)	I _{RMS} (A)
LSQ0707A-6N2_	3	6.2	J	100	400	3.45	3.0	2.0
LSQ0707A-7N2_	3	7.2	J	100	400	3.75	3.0	2.0
LSQ0707A-8N9_	4	8.9	J, G	100	400	4.42	3.0	2.0
LSQ0707A-12N_	5	12.0	J, G	100	400	5.60	3.0	2.0

DIMENSIONS: mm (inch)



P/N	a	b	c	d	e	f
LSQ0707A-6N2_	1.582 (0.062)	1.75 (0.069)	1.75 (0.069)	1.29 (0.051)	2.5 (0.098)	0.61 (0.024)
LSQ0707A-7N2_	1.582 (0.062)	1.885 (0.074)	1.75 (0.069)	1.29 (0.051)	2.5 (0.098)	0.61 (0.024)
LSQ0707A-8N9_	2.0 (0.0787)	1.75 (0.069)	1.885 (0.074)	1.69 (0.067)	2.5 (0.098)	0.61 (0.024)
LSQ0707A-12N_	2.5 (0.098)	1.75 (0.069)	1.75 (0.069)	2.20 (0.087)	2.5 (0.098)	0.61 (0.024)
(Tol.)	±0.152 (0.006)	±0.252 (0.01)	±0.152 (0.006)	Typ.	Typ.	Typ.

GENERAL INFORMATION:

LSQ0707A-xxx, “LSQ0707A” = P/N, “xxx” = Inductance “_” = Tolerance (G= ±2%, J= ± 5%)

Operating temperature: -40°C to +125°C, Storage temp. : -40°C to +85°C

Maximum Temperature Rise: 15°C (measured at 25°C ambient)

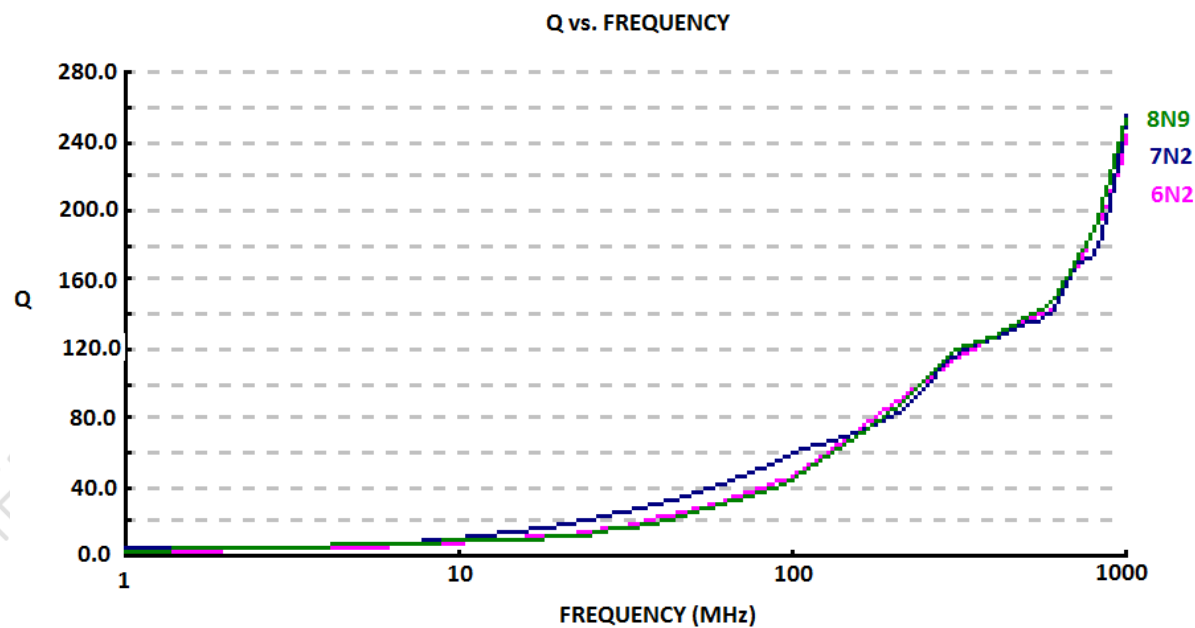
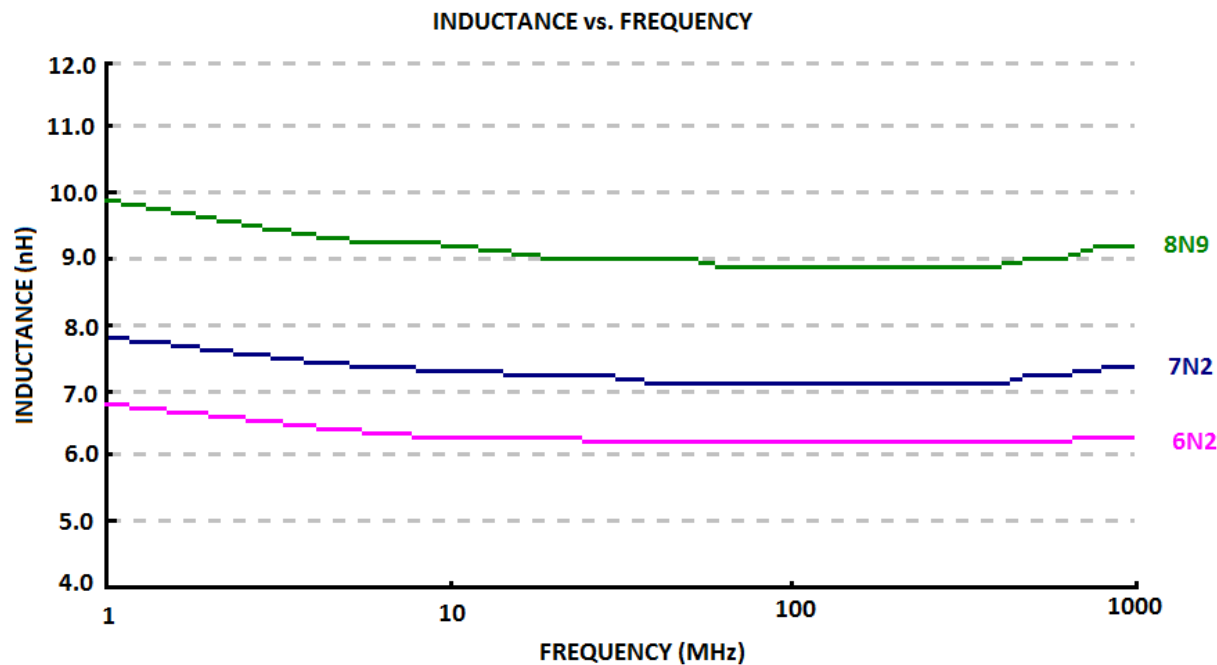
Inductance & Q measured with HP4291B Impedance Analyzer with HP16193 test fixture

SRF measured using HP8753E Network Analyzer or equivalent

DCR measured using Chroma 16502 or equivalent

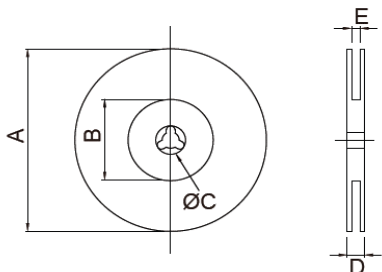
MSL: Level 1

ELECTRICAL CHARACTERISTICS:

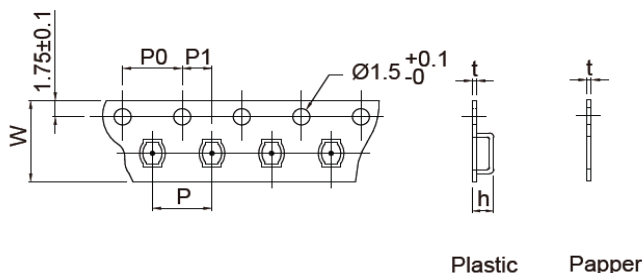


PACKAGING INFORMATION:

CARRIER TAPE REELS



TAPE DIMENSIONS (mm)



Plastic Paper

Series	Reel dimensions (mm)					Tape dimensions (mm)						Parts per reel		Quantity per	
	A	B	C	D	E	W	P	P0	P1	h	t	7"	13"	Box	Carton
LSQ0707A	178	75	15	16.4	12.5	12	4	4	2	--	0.23	2,000	---	8,000	48,000

RoHS REFLOW SOLDERING PROFILE:

Typical RoHS Reflow Profile

