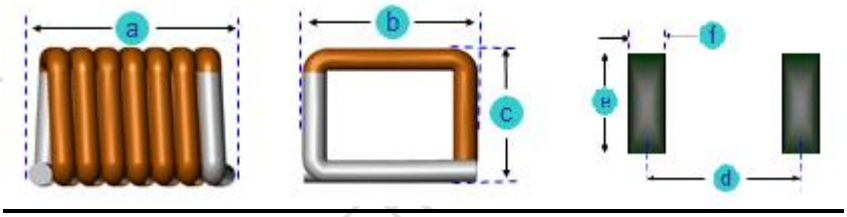


High SRF and High-Q Square Surface Mount Air Coils
Inductance: 27 ~ 47 nH
Current: 4.4 ~ 5.5 Amps

ELECTRICAL SPECIFICATIONS:

P/N	Turns	L (nH)	Tolerance	Q (min)	Test Freq (MHz)	DCR (mΩ)	SRF (GHz)	I_{RMS} (A)
LSQ1111A-27N_	5	27	J, G	200	400	8.1	2.6	5.5
LSQ1111A-30N_	5	30	J, G	200	400	8.3	2.4	5.5
LSQ1111A-33N_	6	33	J, G	200	400	9.5	2.3	4.8
LSQ1111A-36N_	6	36	J, G	200	400	9.8	2.3	4.8
LSQ1111A-39N_	6	39	J, G	200	400	10.0	2.2	4.8
LSQ1111A-43N_	7	43	J, G	200	400	10.8	2.2	4.4
LSQ1111A-47N_	7	47	J, G	200	400	11.3	2.2	4.4

DIMENSIONS: mm (inch)



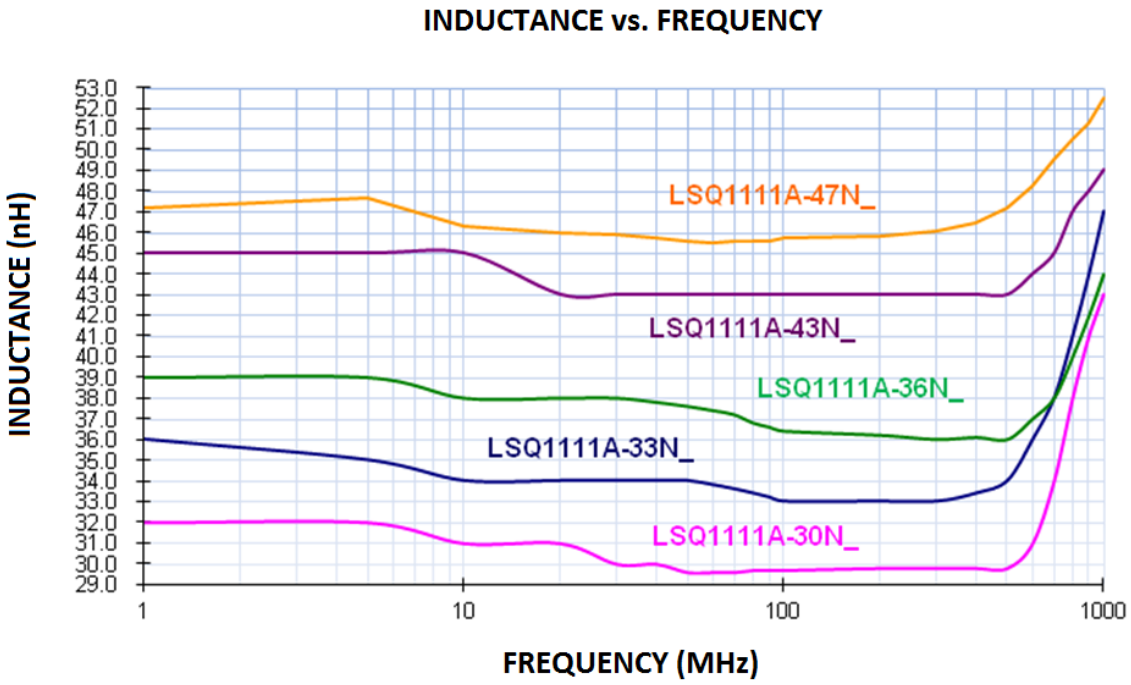
P/N	a	b	c	d	e	f
LSQ1111A-27N_	2.67 (0.105)	2.67 (0.105)	2.79 (0.110)	2.29 (0.090)	3.05 (0.120)	1.02 (0.040)
LSQ1111A-30N_	2.67 (0.105)	2.67 (0.105)	2.79 (0.110)	2.29 (0.090)	3.05 (0.120)	1.02 (0.040)
LSQ1111A-33N_	2.92 (0.115)	2.67 (0.105)	2.79 (0.110)	2.54 (0.100)	3.05 (0.120)	1.02 (0.040)
LSQ1111A-36N_	2.92 (0.115)	2.67 (0.105)	2.79 (0.110)	2.54 (0.100)	3.05 (0.120)	1.02 (0.040)
LSQ1111A-39N_	2.92 (0.115)	2.67 (0.105)	2.79 (0.110)	2.54 (0.100)	3.05 (0.120)	1.02 (0.040)
LSQ1111A-43N_	3.30 (0.130)	2.67 (0.105)	2.79 (0.110)	2.79 (0.110)	3.05 (0.120)	1.02 (0.040)
LSQ1111A-47N_	3.30 (0.130)	2.67 (0.105)	2.79 (0.110)	2.79 (0.110)	3.05 (0.120)	1.02 (0.040)
(Tol.)	±0.254 (±0.010)	±0.127 (±0.005)	±0.127 (±0.005)	Typ.	Typ.	Typ.

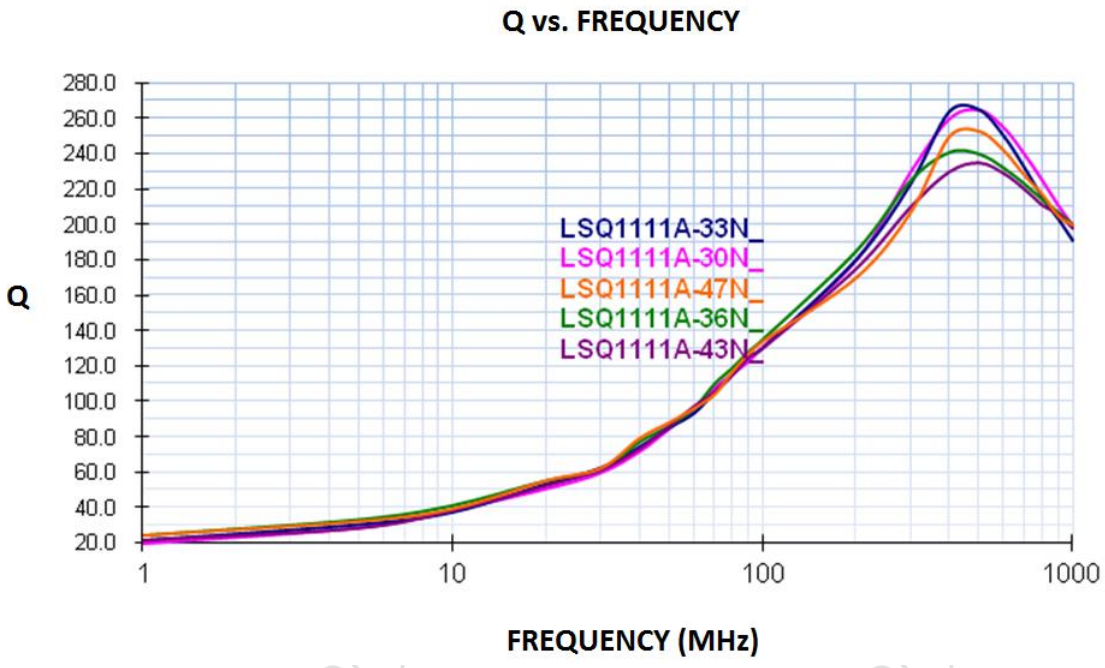
GENERAL INFORMATION:

LSQ1111A-xxx, "LSQ1111A" = P/N, "xxx" = Inductance "_" = Tolerance (G= ±2%, J= ± 5%)
Operating temperature: -40°C to +125ºC, Storage temp. : -40ºC to +85ºC
Maximum Temperature Rise: 15ºC (measured at 25ºC 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

667 E. Cochran St., Simi Valley, CA 93065
Phone: 1-805-522-9998, Fax: 1-805-522-9989

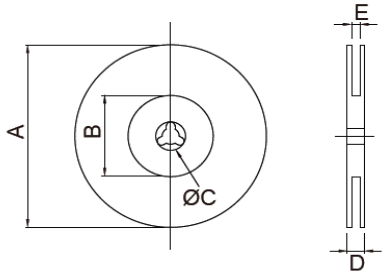
ELECTRICAL CHARACTERISTICS:



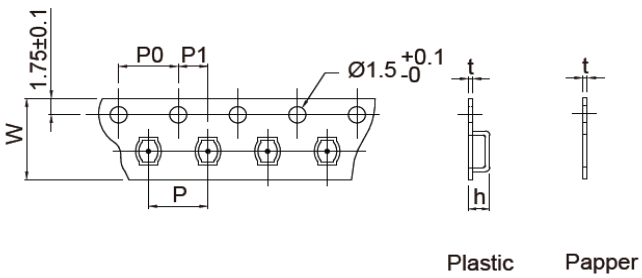


PACKAGING INFORMATION:

CARRIER TAPE REELS



TAPE DIMENSIONS (mm)



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
LSQ1111A	330	100	13	18.4	12.5	12	8	4	2	3.05	0.35	---	2,500	5,000	15,000

RoHS REFLOW SOLDERING PROFILE:

