

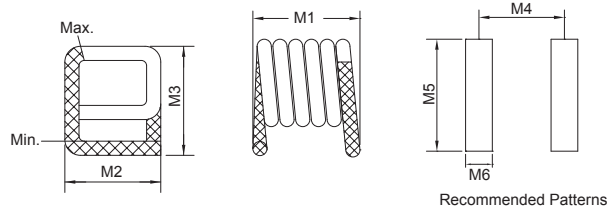
# LSQ1111A Series

## ■ SMD Square Air Wound Coil

### MECHANICAL DIMENSIONS



LSQ1111A



Recommended Patterns

unit: mm

Part Number	M1	M2	M3	M4	M5	M6
LSQ1111A-27N □	2.67±0.254	2.67±0.127	2.79±0.127	2.29	3.05	1.02
LSQ1111A-30N □	2.67±0.254	2.67±0.127	2.79±0.127	2.29	3.05	1.02
LSQ1111A-33N □	2.92±0.254	2.67±0.127	2.79±0.127	2.54	3.05	1.02
LSQ1111A-36N □	2.92±0.254	2.67±0.127	2.79±0.127	2.54	3.05	1.02
LSQ1111A-39N □	2.92±0.254	2.67±0.127	2.79±0.127	2.54	3.05	1.02
LSQ1111A-43N □	3.30±0.254	2.67±0.127	2.79±0.127	2.79	3.05	1.02
LSQ1111A-47N □	3.30±0.254	2.67±0.127	2.79±0.127	2.79	3.05	1.02

### ELECTRICAL SPECIFICATION

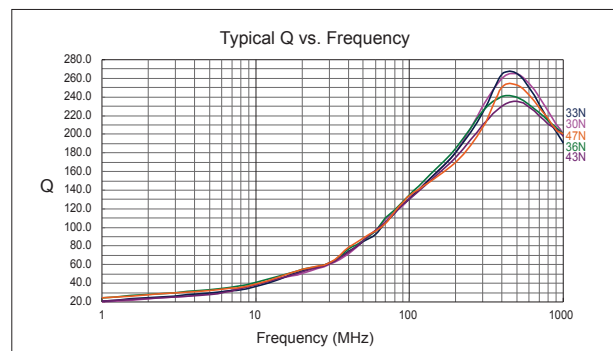
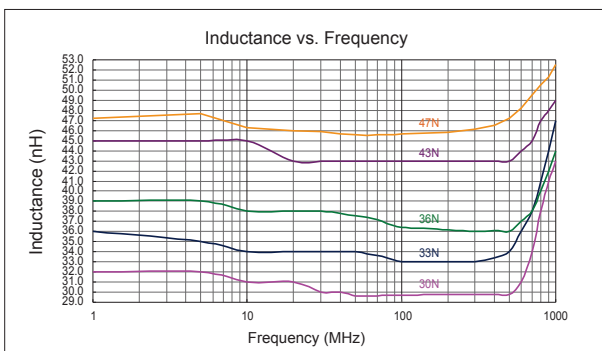
Part Number	Inductance (nH)	Tolerance	Q (Typ.)	Test Freq (MHz)	DCR (mΩ) Max.	SRF (GHz) Min.	Rated Current (A) Max.
LSQ1111A-27N □	27	G, J	200	400	8.1	2.6	5.5
LSQ1111A-30N □	30	G, J	200	400	8.3	2.4	5.5
LSQ1111A-33N □	33	G, J	200	400	9.5	2.3	4.8
LSQ1111A-36N □	36	G, J	200	400	9.8	2.3	4.8
LSQ1111A-39N □	39	G, J	200	400	10.0	2.2	4.8
LSQ1111A-43N □	43	G, J	200	400	10.8	2.2	4.4
LSQ1111A-47N □	47	G, J	200	400	11.3	2.2	4.4

Note :

- Inductance & Q measured on the HP4291B. With HP16193A test fixture.
- Ambient temperature: -40°C to +125°C with I<sub>rms</sub> current, +125°C to +145°C with derated current.
- Storage temperature Component: -40°C to +145°C , Packaging : -40°C to +80°C
- SRF measured using an Agilent/HP 8753 network analyzer.
- Current that causes a 20°C temperature rise from 25°C ambient.
- Tolerance: G=2% ; J=5%

### CHARACTERISTIC CURVE

#### LSQ1111A Series



SMD

Leaded