

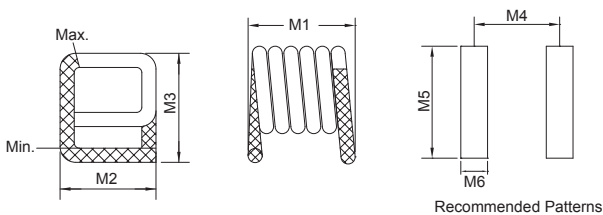
LSQ1515A Series

■ SMD Square Air Wound Coil

MECHANICAL DIMENSIONS



LSQ1515A



unit: mm

Part Number	M1	M2	M3	M4	M5	M6
LSQ1515A-47N □	4.06±0.254	3.56±0.178	3.73±0.178	3.56	4.45	1.78
LSQ1515A-68N □	5.33±0.254	3.56±0.178	3.73±0.178	4.83	4.45	1.78
LSQ1515A-82N □	5.84±0.254	3.56±0.178	3.73±0.178	5.33	4.45	1.78

ELECTRICAL SPECIFICATION

Part Number	Inductance (nH)	Tolerance	Q (Typ.)	Test Freq (MHz)	DCR (mΩ) Max.	SRF (GHz) Min.	Rated Current (A) Max.
LSQ1515A-47N □	47	G, J	230	400	6.35	1.87	4.9
LSQ1515A-68N □	68	G, J	230	400	8.60	2.13	5.5
LSQ1515A-82N □	82	G, J	230	400	9.40	1.79	5.6

Note :

- Inductance & Q measured on the HP4291B. With HP16193A test fixture.
- Ambient temperature: -40°C to +125°C with I_{rms} 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

LSQ1515A Series

