

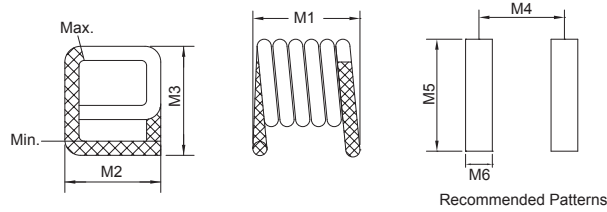
# LSQ2222A Series

## ■ SMD Square Air Wound Coil

### MECHANICAL DIMENSIONS



LSQ2222A



Recommended Patterns

unit: mm

Part Number	M1	M2	M3	M4	M5	M6
LSQ2222A-90N □	5.21±0.381	5.46±0.254	5.69±0.254	4.70	6.35	2.16
LSQ2222A-R11 □	6.35±0.381	5.59±0.254	5.69±0.254	5.84	6.73	2.16
LSQ2222A-R13 □	6.73±0.381	5.59±0.254	5.69±0.254	6.22	6.73	2.16
LSQ2222A-R16 □	7.37±0.381	5.59±0.254	5.69±0.254	6.60	6.73	2.16
LSQ2222A-R18 □	8.13±0.381	5.59±0.254	5.69±0.254	7.37	6.73	2.16
LSQ2222A-R22 □	9.91±0.381	5.59±0.254	5.69±0.254	9.14	6.73	2.16
LSQ2222A-R27 □	11.68±0.381	5.59±0.254	5.69±0.254	10.67	6.73	2.16
LSQ2222A-R30 □	11.94±0.381	5.72±0.254	5.69±0.254	11.18	6.73	2.16

### ELECTRICAL SPECIFICATION

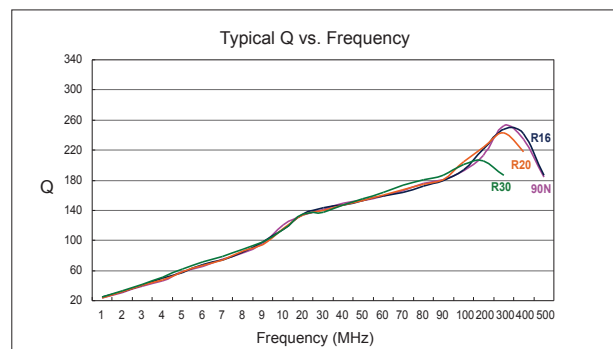
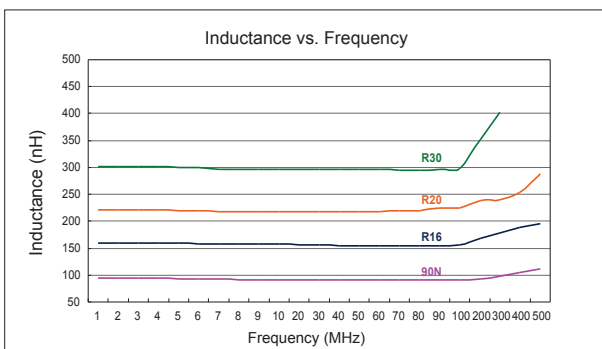
Part Number	Inductance (nH)	Tolerance	Q (Typ.)	Test Freq (MHz)	DCR (mΩ) Max.	SRF (GHz) Min.	Rated Current (A) Max.
LSQ2222A-90N □	90	G,J	140	50	5.50	1.15	5.0
LSQ2222A-R11 □	110	G,J	140	50	6.50	1.00	5.7
LSQ2222A-R13 □	130	G,J	140	50	7.50	1.00	5.4
LSQ2222A-R16 □	160	G,J	140	50	8.25	1.00	5.7
LSQ2222A-R18 □	180	G,J	140	50	9.50	1.10	5.0
LSQ2222A-R22 □	220	G,J	140	50	11.0	1.00	5.0
LSQ2222A-R27 □	270	G,J	140	50	12.5	0.80	4.3
LSQ2222A-R30 □	300	G,J	150	50	13.8	0.72	3.7

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

#### LSQ2222A Series



SMD

Leaded