

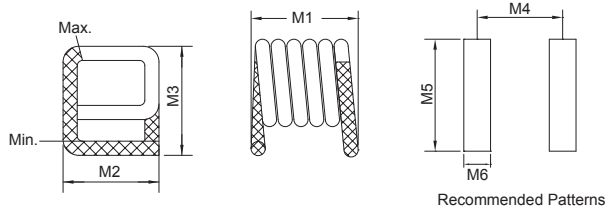
# LSQ2929A Series

## ■ SMD Square Air Wound Coil

### MECHANICAL DIMENSIONS



LSQ2929A



Recommended Patterns

unit: mm

Part Number	M1	M2	M3	M4	M5	M6
LSQ2929A-R33 □	10.29±0.381	7.49±0.254	7.24±0.254	9.53	8.26	2.29
LSQ2929A-R36 □	11.30±0.381	7.49±0.254	7.24±0.254	10.541	8.26	2.29
LSQ2929A-R39 □	12.32±0.381	7.49±0.254	7.24±0.254	11.56	8.26	2.29
LSQ2929A-R43 □	13.21±0.381	7.49±0.254	7.24±0.254	12.45	8.26	2.29
LSQ2929A-R50 □	14.00±0.381	7.49±0.254	7.24±0.254	13.21	8.26	2.29

### ELECTRICAL SPECIFICATION

Part Number	Inductance (nH)	Tolerance	Q (Typ.)	Test Freq (MHz)	DCR (mΩ) Max.	SRF (GHz) Min.	Rated Current (A) Max.
LSQ2929A-R33 □	330	G, J	180	50	12.5	0.660	4.7
LSQ2929A-R36 □	360	G, J	180	50	13.5	0.620	4.5
LSQ2929A-R39 □	390	G, J	180	50	14.5	0.590	4.4
LSQ2929A-R43 □	430	G, J	180	50	15.5	0.550	4.2
LSQ2929A-R50 □	500	G, J	180	50	16.5	0.500	4.3

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

#### LSQ2929A Series

