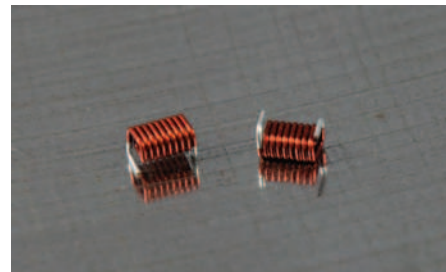




SMD Square Air Core Inductors SQAC1515



Features

- Excellent for high Q applications
- High SRF's for high frequency applications
- High current capability
- Flat top cap for pick and place assembly
- RoHS & Halogen Free
- MSL Level 1

Electrical

Impedance range: 47nH to 82nH

Tolerance: available in 5%

Test Frequency: 400Mhz

Operating Temp: -40°C to +125°C

Test Equipment

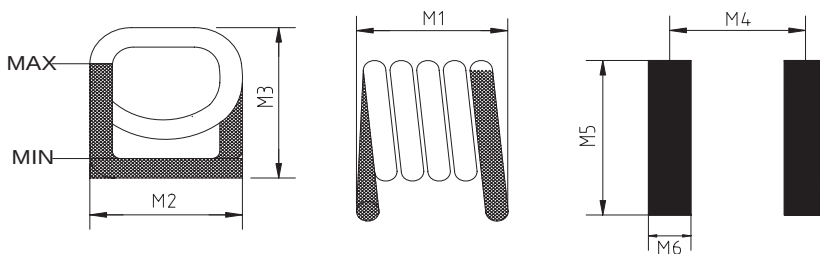
(L/Q): HP4291B with HP16193

(SRF): HP8753E or HP8720D

Physical

Packaging: 2000 per 7" Reel

Marking: None



Recommended patterns.

Dimensions: (Unit: mm)

Allied Part Number	M1	M2	M3	M4	M5	M6
SQAC1515-47NJ-RC	4.06±0.254	3.56±0.178	3.73±0.178	3.56	4.45	1.78
SQAC1515-68NJ-RC	5.33±0.254	3.56±0.178	3.73±0.178	4.83	4.45	1.78
SQAC1515-82NJ-RC	5.84±0.254	3.56±0.178	3.73±0.178	5.33	4.45	1.78

Allied Part Number	Inductance (nH)	Tolerance	Q Min.	Test Freq. (MHz)	SRF Min. (GHz)	DCR Max. (mΩ)	I _{rms} (A)
SQAC1515-47NJ-RC	47	5%	230	400	1.87	6.35	2.7
SQAC1515-68NJ-RC	68	5%	230	400	2.13	8.60	2.7
SQAC1515-82NJ-RC	82	5%	230	400	1.79	9.40	2.7

To complete part number insert tolerance designator: J=±5%, K=±10%

All specifications subject to change without notice.