

291A/291B Series

■ SMD Air Wound Coil

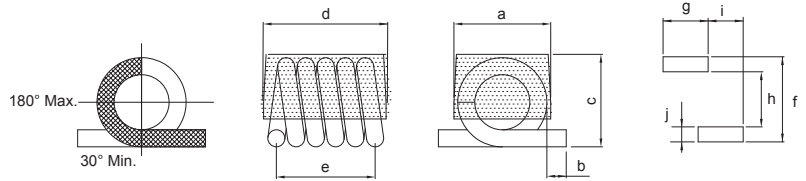
MECHANICAL DIMENSIONS



291A



291B



Recommended Patterns

unit: mm

Series	a	b	c	d	e
291A	3.05 (Max.)	0.58±0.38	3.18 (Max.)	3.68 (Max.)	2.92±0.25
291B	3.05 (Max.)	0.58±0.38	3.18 (Max.)	6.86 (Max.)	5.84±0.25

LAND PATTERN

unit: mm

Series	f	g	h	i	j
291A	4.19	3.30	1.65	2.79	1.27
291B	7.24	3.30	4.70	2.79	1.27

ELECTRICAL SPECIFICATION

Part Number	Turns	Tolerance	Inductance (nH)	Q (Min.)	Test Freq (MHz)	DCR (mΩ) Max.	SRF (GHz) Min.	Rated Current (A) Max.
291A-01 □ -LRH	1	K	2.5	145	150	1.1	12.5	4.0
291A-02 □ -LRH	2	G, J	5.0	140	150	1.8	6.5	4.0
291A-03 □ -LRH	3	G, J	8.0	140	150	2.6	5.0	4.0
291A-04 □ -LRH	4	G, J	12.5	137	150	3.4	3.3	4.0
291A-05 □ -LRH	5	G, J	18.5	132	150	3.9	2.5	4.0
291B-06 □ -LRH	6	G, J	17.5	112	150	4.5	2.2	4.0
291B-07 □ -LRH	7	G, J	22.0	112	150	5.2	2.1	4.0
291B-08 □ -LRH	8	G, J	28.0	112	150	6.0	1.8	4.0
291B-09 □ -LRH	9	G, J	35.5	112	150	6.8	1.5	4.0
291B-10 □ -LRH	10	G, J	43.0	112	150	7.9	1.2	4.0

• Tolerance: G=±2% ; J=±% ; K=±10%

• Test Equipment:

L/Q: HP-4291B With HP16193A test fixture or equivalent.

SRF: HP8753E or equivalent.

RDC: Chroma 16502 or equivalent.

• Operating temperature range: -40°C to +125°C

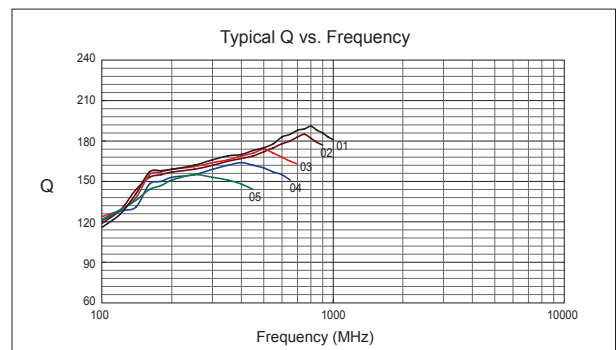
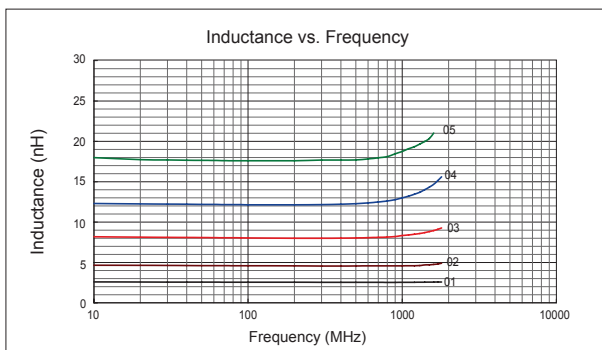
• For Temperature Rise: 15°C

• Storage Temp.: -40°C to +85°C

• MSL: Level 1

CHARACTERISTIC CURVE

291A Series



291B Series

