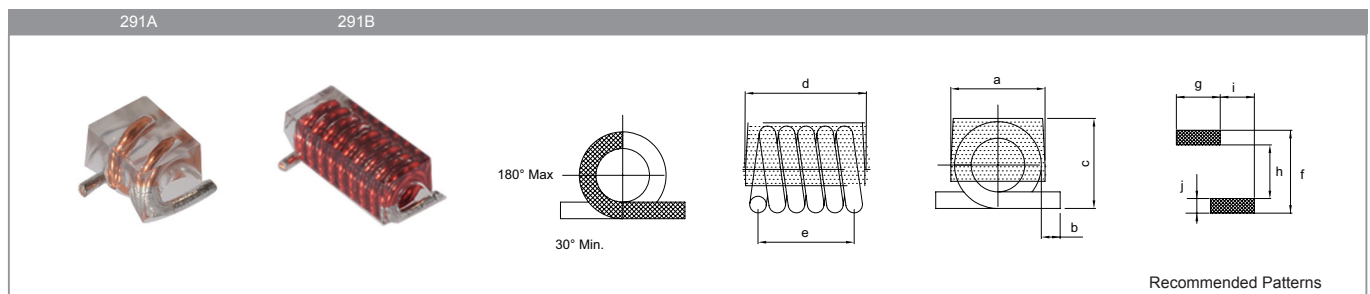


# SMD AIR WOUND COIL

## 291A and 291B Series

### ■ Mechanical Dimensions (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     | K,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            | 100     | 150             | 4.5          | 2.2           | 4.0                   |
| 291B-07□-LRH | 7     | G,J       | 22.0            | 102     | 150             | 5.2          | 2.1           | 4.0                   |
| 291B-08□-LRH | 8     | G,J       | 28.0            | 105     | 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            | 106     | 150             | 7.9          | 1.2           | 4.0                   |

a. Tolerance : G:± 2%, J :± 5%, K : ± 10%

b. Test Equipment:

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

SRF : HP8753E or equivalent.

RDC : Chroma 16502 or equivalent..

c. Operating temperature range : -40°C to +125°C.

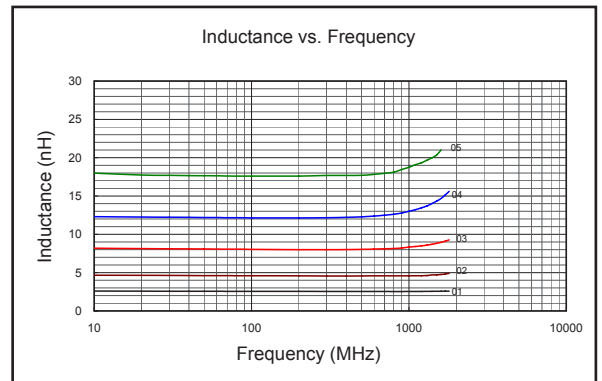
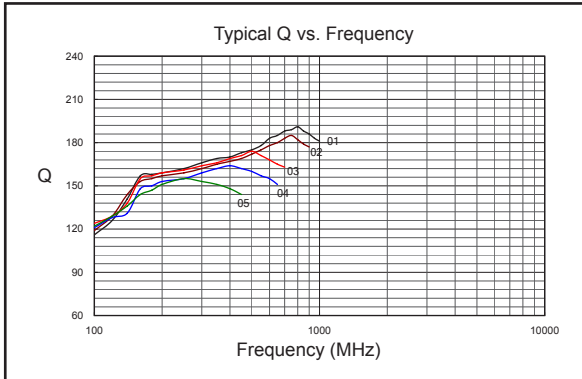
d. For Temperature Rise : 15°C

e. Storage Temp. : -40°C to +85°C.

f. MSL : Level 1

### ■ Characteristic Curve

• 291A



• 291B

