



Frontier Electronics Corp.

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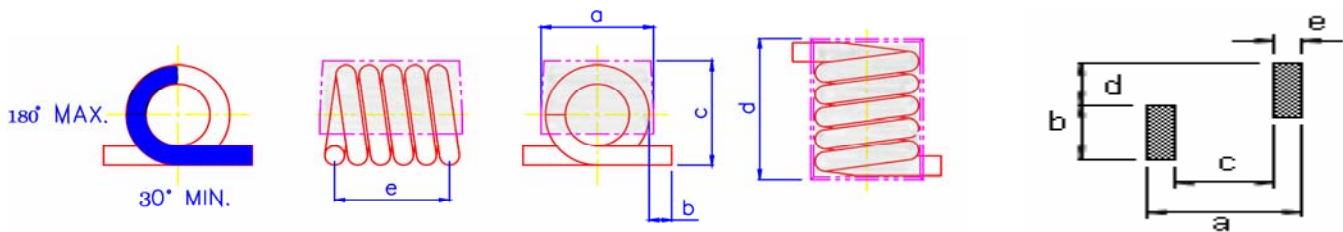
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SMD AIR WOUND COILS

A. Mechanical dimensions: (Unit: mm)

Series No.	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
292A	1.42 ± 0.13	0.89 ± 0.25	1.37 ± 0.15	2.21 ± 0.25	1.83 ± 0.25
292B	1.42 ± 0.13	0.89 ± 0.25	1.37 ± 0.15	4.04 ± 0.30	3.66 ± 0.30
293A	3.81(MAX)	1.53 ± 0.39	4.2(MAX)	4.83(MAX)	4.32 ± 0.39
294A	6.35(MAX)	1.02 ± 0.39	5.9(MAX)	10.55 (MAX)	7.98 ± 0.51



Mechanical dimension

Land Pattern

B. Land Pattern: (Unit: mm)

Series No.	a	b	C	d	e
291A	4.19	3.30	1.65	2.79	1.27
291B	7.24	3.30	4.70	2.79	1.27
292A	2.62	2.46	1.04	1.02	0.79
292B	4.45	2.46	2.87	1.02	0.79
293A	5.80	5.16	2.85	2.62	1.48
294A	10.0	4.70	5.95	2.42	2.04

C. Features:

1. Inductance & Q measured on the HP4291B with HP16193 test fixture.
2. SRF measured on the HP8720D or HP8753E.
3. Operating temp. : -40°C TO +125°C.
4. For Temperature Rise: 15°C.
5. Electrical specification: (@ 25°C.)
 - a. 291A & 291B: L from 2.5nH to 43.0nH, SRF from 12.5 to 1.2GHz and Current are for 4 Amps.
 - b. 292A & 292B: L from 1.65nH to 12.55nH, SRF from 10.0 to 4.6GHz and Current are for 1.6 Amps.
 - c. 293A: L from 22nH to 120nH, SRF from 3.2 to 1.1GHz and Current from 3.5 to 1.5 Amps.
 - d. 294A: L from 90nH to 538nH, SRF from 1.14 to 0.490GHz and Current from 3.5 to 2.0 Amps.
6. Equivalent to Coilcraft's Air Core Inductor.
7. **RoHS** compliant.