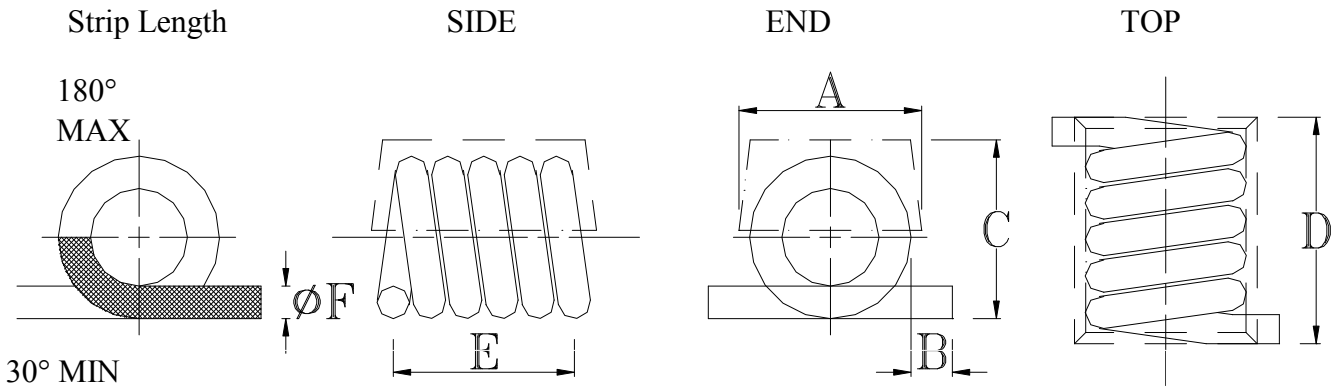
FerroCore

SMD AIR WOUND COIL

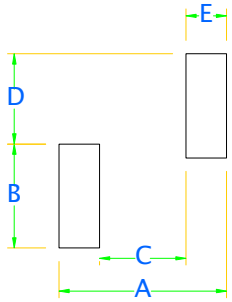
■ DIMENSIONS (mm)



No.	SERIES	Size (mm)				
		A	B	C	D	E
1	JAS3136	3.05(MAX)	0.58 ± 0.38	3.18(MAX)	3.68(MAX)	2.92 ± 0.25
2	JAS3168	3.05(MAX)	0.58 ± 0.38	3.18(MAX)	6.86(MAX)	5.84 ± 0.25
1	JAS1322	1.42 ± 0.13	0.89 ± 0.25	1.37 ± 0.15	2.21 ± 0.25	1.83 ± 0.25
2	JAS1340	1.42 ± 0.13	0.89 ± 0.25	1.37 ± 0.15	4.04 ± 0.30	3.66 ± 0.30

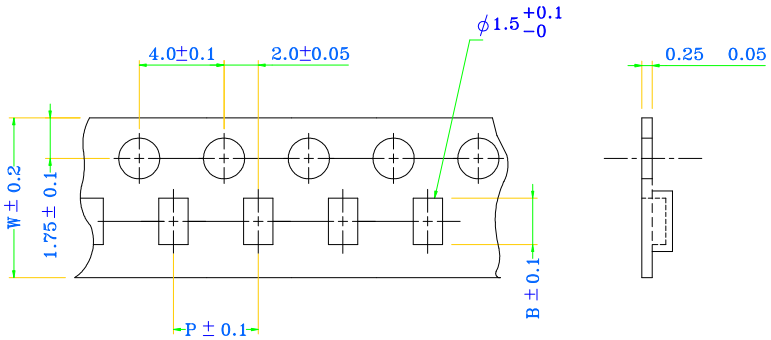
■ RECOMMENDED PATTERN

Type	A	B	C	D	E
JAS3136	4.19	3.3	1.65	2.79	1.27
JAS3168	7.24	0.3	4.7	2.79	1.27
JAS1322	2.62	2.46	1.04	1.02	0.79
JAS1340	4.45	2.46	2.87	1.02	0.79



■ TAPE DIMENSIONS (mm)

SIZE	W	P
JAS3136	12	8
JAS3168	16	8
JAS1322	8	8
JAS1340	12	8



Typical Pad Layout

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SERIES LIST

No.	Part No	Inductance (nH)	Q	Test Freq (MHz)	RDC (mΩ) MAX	SRF (GHz) Min.	IDC (A) Max.	Turns
1	JAS3136-2.5	2.5	145	150	1.1	12.5	4	1
2	JAS3136-5	5.0	140	150	1.8	6.5	4	2
3	JAS3136-8	8.0	140	150	2.6	5	4	3
4	JAS3136-12.5	12.5	137	150	3.4	3.3	4	4
5	JAS3136-18.5	18.5	132	150	3.9	2.5	4	5
6	JAS3168-17.5	17.5	100	150	4.5	2.2	4	6
7	JAS3168-22	22	102	150	5.2	2.1	4	7
8	JAS3168-28	28	105	150	6	1.8	4	8
9	JAS3168-35.5	35.5	112	150	6.8	1.5	4	9
10	JAS3168-43.5	43.5	106	150	7.9	1.2	4	10
11	JAS1322-1.65	1.65	100	800	4	10	1.6	2
12	JAS1322-2.55	2.55	100	800	5	8.2	1.6	3
13	JAS1322-3.85	3.85	100	800	6	7.5	1.6	4
14	JAS1322-4.45	4.45	100	800	8	7	1.6	5
15	JAS1340-5.6	5.6	100	800	9	6.5	1.6	6
16	JAS1340-7.15	7.15	100	800	10	6	1.6	7
17	JAS1340-8.8	8.8	100	800	12	6	1.6	8
18	JAS1340-9.85	9.85	100	800	13	5.2	1.6	9
19	JAS1340-12.55	12.55	100	800	14	4.6	1.6	10

RELIABILITY PERFORMANCE

No	Test Item	Test Conditions
1	Temp cycling	1. +125℃±5℃ for 30 min ~ +25℃±5℃ for 2 hrs ~ -40±5℃ for 30 min 2. Total : 10 cycles
2	Biased humidity	1. Temperature : +60℃±2℃ 2. R.H : 90%±5% 3. Total : 96 hrs
3	Thermal shock	1. +125℃±3℃ for 30 min ~ -65℃-5℃ for 30 min 2. Time of temperature shift 2 min 3. Total : 50 cycles
4	High temperature exposure(storage)	1. Temperature : +125℃±2℃ 2. Total : 48±2 hrs
5	Low temperature storage	1. Temperature : -40℃±2℃ 2. Total : 48±2 hrs
6	Salt spraying	1. Chamber temperature : 35℃ 2. 5% concentration of salt sprayed 3. Total : erode for 24 hrs
7	Vibrating test	1. Frequency : 10-55-10 HZ 2. Amplitude : 1.5 mm 3. Direction : X, Y, Z 4. Time : 2 hrs for each direction, total 6 hrs

8. TYPICAL RoHS REFLOW PROFILE