



Features :

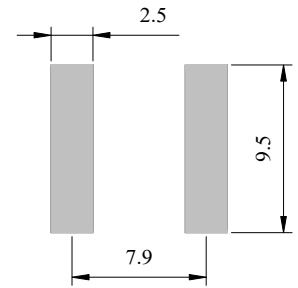
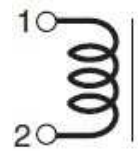
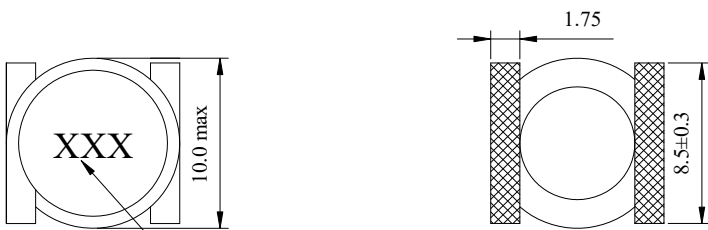
- ◆ High current, high frequency power inductors.
- ◆ Excellent Q factors – up to 230 at 400 MHz.
- ◆ Excellent solerability.
- ◆ Current handling as high as 26 Amps.
- ◆ Maximum part temperature +155°C (ambient + temp rise).

Environmental data :

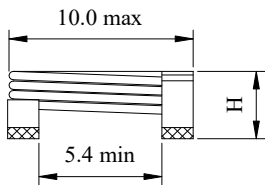
- ◆ Operating temperature: –40 °C up to +150 °C, including coil's self temperature rise).
- ◆ Storage temperature: –40 °C up to +125 °C.
- ◆ RoHS ,REACH compliance ,Halogen free.

Dimensions & Shape : [mm]

PAD LAYOUT



Inductance code



Part Number	H
SAH1010-23N	3.6
SAH1010-46N	4.1
SAH1010-79N	4.8
SAH1010-111N	5.6
SAH1010-141N	6.1

Electronial Characteristics :

Part Number ^①	L ₀ Inductance ^② ±20% (nH)	Q typ ^③	Q test Frequency (MHz)	SRF typ ^④ (MHz)	DCR (mOhm)		I _{rms} (A) ^⑤	
					typ	max	20°C rise	40°C rise
SAH1010-23NM	23.5	95	100	923	1.05	1.20	18.0	26.0
SAH1010-46NM	46.5	150	100	526	1.50	1.62	17.9	25.5
SAH1010-79NM	79.0	135	50	386	1.95	2.11	17.8	25.0
SAH1010-111M	111.0	150	50	382	2.53	2.73	15.7	22.0
SAH1010-141M	146.0	140	50	433	3.08	3.33	14.1	19.3

* Custom design are available upon requested.

1. Part number definition: SAH1010-yyyM, SAH1010=products type and size, yyy=inductance value in nH, M=inductance tolerance(±20%).
2. Inductance measured at 1.0 MHz, 0.1 V_{rms}, 0A using an HP4291A impedance analyzer or equivalents.
3. Q measured at the specified frequency using HP4291A or equivalent.
4. SRF measured using HP 8753 network analyzer or equivalent.
5. Rms current that causes the specified temperature rise from 25 °C ambiment, this information is for reference only and does not represent absolute maximum rating
6. All test data is referenced to 25 °C ambient.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability,and others). Please kindly contact K-WELL as follows.



Features :

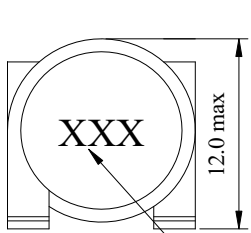
- ◆ High current, high frequency power inductors.
- ◆ Excellent Q factors – up to 225 at 250 MHz.
- ◆ Excellent solerability.
- ◆ Current handling as high as 57 Amps.
- ◆ Maximum part temperature +155°C (ambient + temp rise).

Environmental data :

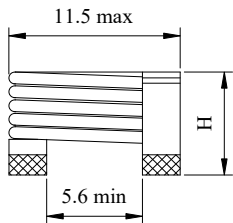
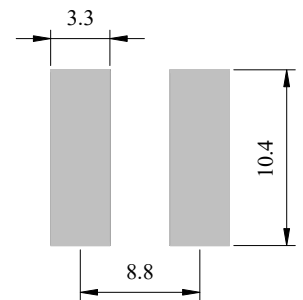
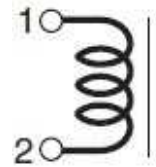
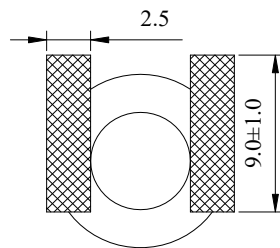
- ◆ Operating temperature: –40 °C up to +150 °C, including coil's self temperature rise).
- ◆ Storage temperature: –40 °C up to +125 °C.
- ◆ RoHS ,REACH compliance ,Halogen free.

Dimensions & Shape : [mm]

PAD LAYOUT



Inductance code



Part Number	H
SAH1212-22N	6.6
SAH1212-42N	7.6
SAH1212-66N	8.8
SAH1212-90N	10.4
SAH1212-111	11.3

Electronial Characteristics :

Part Number ^①	L ₀ Inductance ^② ±20% (nH)	Q typ ^③	Q test Frequency (MHz)	SRF typ ^④ (MHz)	DCR (mOhm)		I _{rms} (A) ^⑤	
					typ	max	20°C rise	40°C rise
SAH1212-22NM	22.0	200	100	918	0.48	0.55	40.5	57.0
SAH1212-42NM	42.0	195	50	557	0.70	0.77	38.0	52.0
SAH1212-66NM	66.0	200	50	480	0.90	0.99	35.0	48.0
SAH1212-90NM	90.0	175	50	444	1.10	1.21	33.0	45.0
SAH1212-111M	117.0	165	50	399	1.30	1.43	32.0	44.0

* Custom design are available upon requested.

1. Part number definition: SAC1212-yyyM, SAC1212=products type and size, yyy=inductance value in nH, M=inductance tolerance(±20%).
2. Inductance measured at 1.0 MHz, 0.1 V_{rms}, 0A using an HP4291A impedance analyzer or equivalents.
3. Q measured at the specified frequency using HP4291A or equivalent.
4. SRF measured using HP 8753 network analyzer or equivalent.
5. Rms current that causes the specified temperature rise from 25 °C ambiment, this information is for reference only and does not represent absolute maximum rating
6. All test data is referenced to 25 °C ambient.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability,and others). Please kindly contact K-WELL as follows.



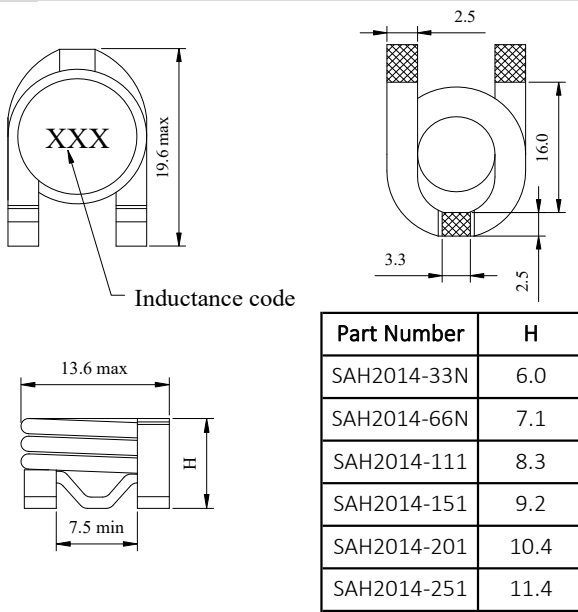
Features :

- ◆ High current, high frequency power inductors.
- ◆ Excellent Q factors – up to 300 at 230 MHz.
- ◆ Excellent solerability.
- ◆ Current handling as high as 43 Amps.
- ◆ Maximum part temperature +155°C (ambient + temp rise).

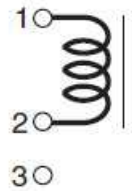
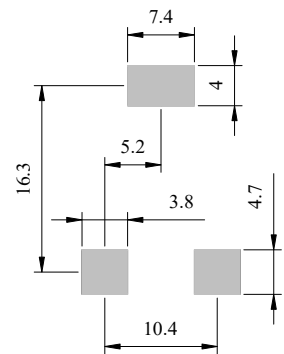
Environmental data :

- ◆ Operating temperature: –40 °C up to +150 °C, including coil's self temperature rise).
- ◆ Storage temperature: –40 °C up to +125 °C.
- ◆ RoHS ,REACH compliance ,Halogen free.

Dimensions & Shape : [mm]



PAD LAYOUT



Caution:

Terminal 3 is provided for mounting stability only. This terminal is connected to the winding of the inductor and must not be connected to ground or any circuitry.

Electronial Characteristics :

Part Number ①	L ₀ Inductance ② ±20% (nH)	Q typ ③	Q test Frequency (MHz)	SRF typ ④ (MHz)	DCR (mOhm)		I _{rms} (A) ⑤	
					typ	max	20°C rise	40°C rise
SAH2014-33NM	33	230	100	620	0.63	0.74	32.5	43.0
SAH2014-66NM	66	200	50	413	0.90	1.00	31.5	42.5
SAH2014-111M	108	210	50	320	1.20	1.34	31.0	42.0
SAH2014-151M	155	205	50	296	1.44	1.60	29.4	39.7
SAH2014-201M	202	200	50	262	1.70	1.82	26.3	35.8
SAH2014-251M	257	200	50	230	1.94	2.15	24.9	34.5

* Custom design are available upon requested.

1. Part number definition: SAC2014-yyyM, SAC2014=products type and size, yyy=inductance value in nH , M=inductance tolerance(±20%).
2. Inductance measured at 1.0 MHz, 0.1 Vrms, 0A using an HP4291A impedance analyzer or equivalents.
3. Q measured at the specified frequency using HP4291A or equivalent.
4. SRF measured using HP 8753 network analyzer or equivalent.
5. Rms current that causes the specified temperature rise from 25 °C ambiment, this information is for reference only and does not represent absolute maximum rating
6. All test data is referenced to 25 °C ambient.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability,and others). Please kindly contact K-WELL as follows.