

规格承认书

Specification for approval

产品名称：贴片空芯线圈

**Product Type: High Frequencies RF SMD Power
Inductors Flat Top Air Core Chip Coil 3.85nF 1.6A Round
For Surface Mounting**

Ao littel Technology Co.Ltd.

Bld. 16,Yanhe East Road,Xiangdong Village, Dongguan 523833,
Guangdong,China

H.P.: 1371362419

QQ #: 3217998702

<http://www.passivemall.com/>

Fax #:0769-89390418

Email : eric.lye@aolittel.com

<http://www.aolittel.com/>

1. Scope

Bonded coils, All SS3730, Coil Inductors, Spring Air Core Inductors, Inductors, Air Coils, Coils, Coil Inductors, Spring Air Core Inductors, Inductors, Air Coils, Coils, Coil Inductor, Air coil Inductor, high current power inductor, surface mount inductors, wirewound inductor, RF Choke Inductor are available in a range of different characteristics.

2. Features

- SMD Air-Core Inductor supporting High Frequency range with Compact and Low Profile structure
- Can be used in high frequency range because of high SRF
- Can be used for circuits such as RF matching circuit, antenna matching circuit, filter circuit and tuner circuit, which require the characteristics of Q
- Narrow tolerance available for Inductance($\pm 2\%$)
- Operating Temperature:-40°C ~ +125°C (Including Self-heating)

3. The Advantages of an Air Core Inductor (coils)

Its inductance is unaffected by the current it carries. This contrasts with the situation with coils using ferromagnetic cores whose inductance tends to reach a peak at moderate field strengths before dropping towards zero as saturation approaches. Sometimes non-linearity in the magnetization curve can be tolerated; for example in switching converters. In circuits such as audio cross over networks in Hi-Fi speaker systems you must avoid distortion; then you need an air coil. Most radio transmitters rely on air coils to prevent the production of harmonics.

Air coils are also free of the 'iron losses' which affect ferromagnetic cores. As frequency is increased this advantage becomes progressively more important. You obtain better Q-factor, greater efficiency, greater power handling, and less distortion.

Lastly, air coils can be designed to perform at frequencies as high as 1 Ghz. Most ferromagnetic cores tend to be rather lossy above 100 MHz.

The Flat Top Air Core AM Inductors are lead-free and RoHS compliant. Please contact us for details with your specific needs.

4. Model

Wire dia: 0.35mm
ID: 2.0mm Number of turn: 2 Turn



6 turns; inner diameter 3mm; 0.7 copper wire, 90 degree curved foot. The temperature test is 300 degrees for 1 minute without blasting.



Wire dia 1.0mm; ID 2.2mm; 7Turn



Wire dia 0.6mm ; ID 3.0mm; 3.5Turn
Customized is available

