

## CS2015 Series

## High Current Air Core Inductors

## 高电流空心线圈电感

## Features

- Air-core. No magnetic saturation.  
空心线圈，不会磁饱和。
- SMD type. Easy to install.  
贴片类型，易于安装。
- RoHS compatible.  
符合环保要求。
- Operating temperature : -40℃~+220℃.  
工作温度：-40℃~+220℃



## Electrical characteristics 电气特性

| Part number<br>料号 | Inductance<br>电感量<br>nH ±20% | DCR<br>直流电阻 mΩ |      | quality factor<br>品质因数 |         | SRF<br>自谐频率<br>(MHz) | Irms<br>温升电流<br>(A) |           | Height<br>高度(mm)<br>max |
|-------------------|------------------------------|----------------|------|------------------------|---------|----------------------|---------------------|-----------|-------------------------|
|                   |                              | typ            | max  | Q                      | 频率(MHz) |                      | 20°C rise           | 40°C rise |                         |
| CS2015-330ML      | 33                           | 0.53           | 0.62 | 456                    | 100     | 817                  | 30.2                | 42.0      | 6.35                    |
| CS2015-660ML      | 66                           | 0.75           | 0.9  | 404                    | 100     | 436                  | 27                  | 38.5      | 7.09                    |

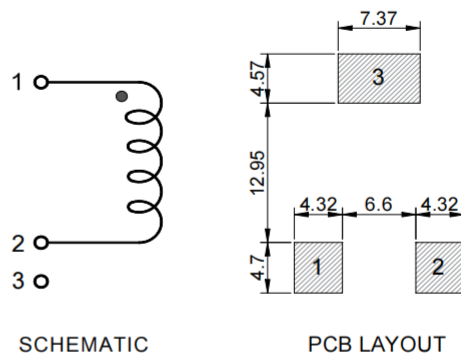
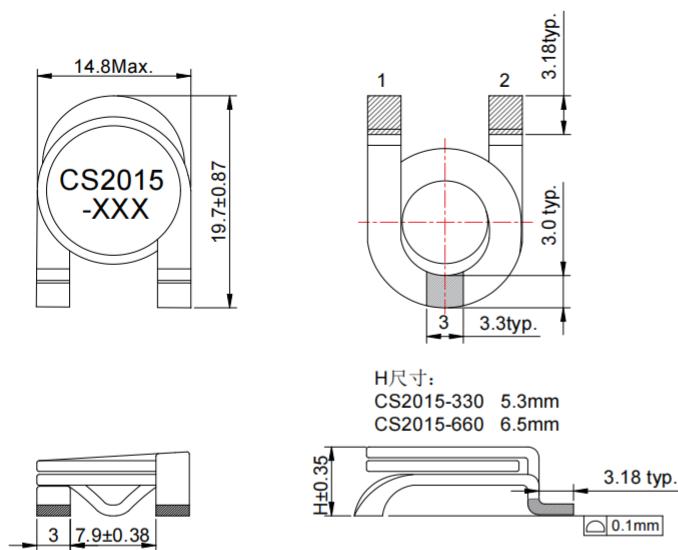
## Remark

- ① Inductance is measured with a LCR meter Agilent 4284A or equivalent.  
Test frequency at 1MHz
- ② DC resistance is measured with Keithley 580 Milliohm Meter, or equivalent. Reference ambient temperature 25°C
- ③ Q measured at the specified frequency using an Agilent/HP 4291A impedance analyzer or equivalent.
- ④ SRF measured using an Agilent E5061B network analyzer and an Agilent 16193A test fixture.
- ⑤ Current that causes the specified temperature rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
- ⑥ Electrical specifications at 25°C

## 备注

- ① 感量测试采用 Agilent 4284A 数字电桥或同等仪器；  
测试频率 1MHz
- ② 直流电阻测试采用 Keithley 580 毫欧表或同等仪器；  
环境温度 25° C
- ③ Q 使用安捷伦/HP 4291A 阻抗分析仪或同等产品在指定频率下测量。
- ④ SRF 使用 Agilent E5061B 网络分析仪和 Agilent 16193A 测试夹具测量。
- ⑤ 导致指定温度从 25° C 环境温度上升的电流。此信息仅供参考，不代表绝对最大额定值。
- ⑥ 25° C 时的电气规格

## Dimensions 尺寸



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.

## Electrical Characteristic Curve

电气性能曲线

