芯芒微电子

XINMANG MICROELECTRONICS

POWERHEN

Electronics

产品规格书

CS2015

射频电感线圈

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样品申请 · 替代选型 · 批量报价，欢迎来函来电

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 料号	Inductance 电感量 nH±20%	DCR 直流电阻 mΩ typ	DCR 直流电阻 mΩ max	quality factor 品质因数 Q	quality factor 品质因数 频率(MHz)	SRF 自谐频率 (MHz)	Irms 温升电流 (A) 20℃ rise	Irms 温升电流 (A) 40℃ rise	Height 高度(mm) max
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

①Inductance is measured with a LCR meter Agilent 4284A or equivalent. Test frequency at 1MHz

②DC resistance is measured with keithley 580 Milliohm Meter , or equivalent.Reference ambient temperature 25°C

③Q 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.

⑤Current that causes the specified temperature rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.

⑥Electrical 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

③Q 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。

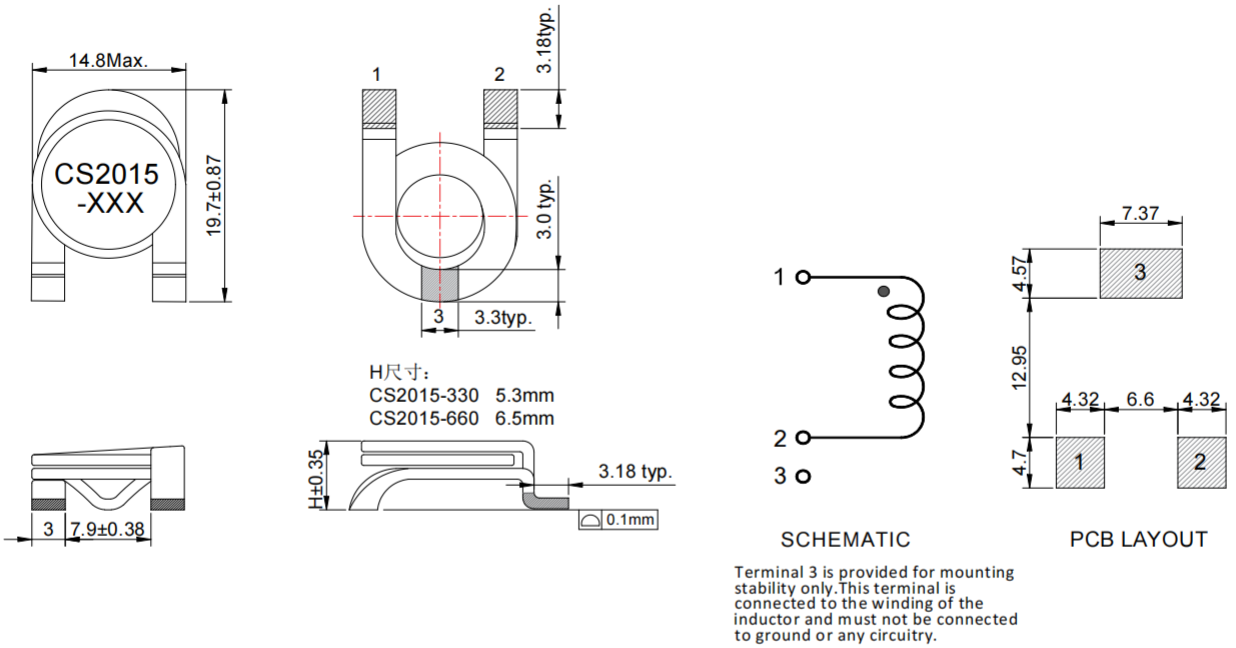
④SRF 使用 Agilent E5061B 网络分析仪和 Agilent 16193A 测试夹具测量。

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。

⑥25° C 时的电气规格

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Addr:Floor 3, Building 2, Shenliang Automotive Electronic Industrial Park, Guanlan Town, Shenzhen
Tel:0755-23570708 *E-Mail:sales@powerhen.com*

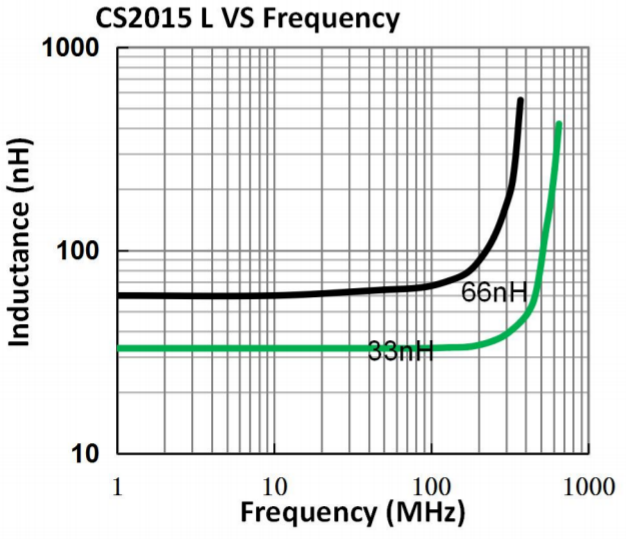
Dimensions 尺寸

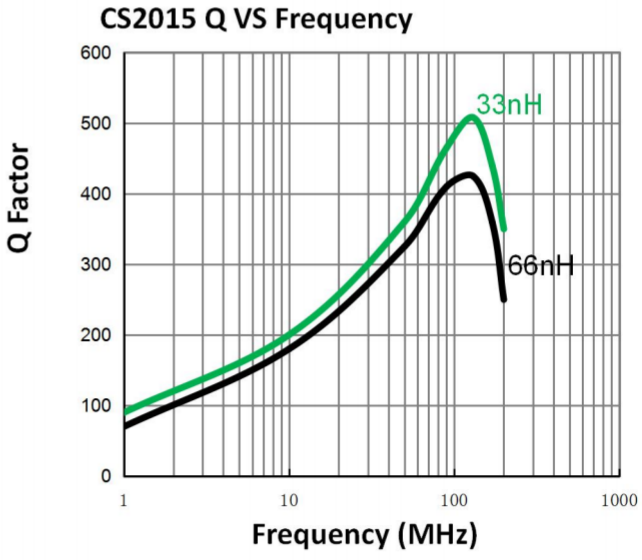


Terminal 3 is provided for mounting stability only.This terminal is connected to the winding of the inductor and must not be connected to ground or any circuitry.

Electrical Characteristic Curve

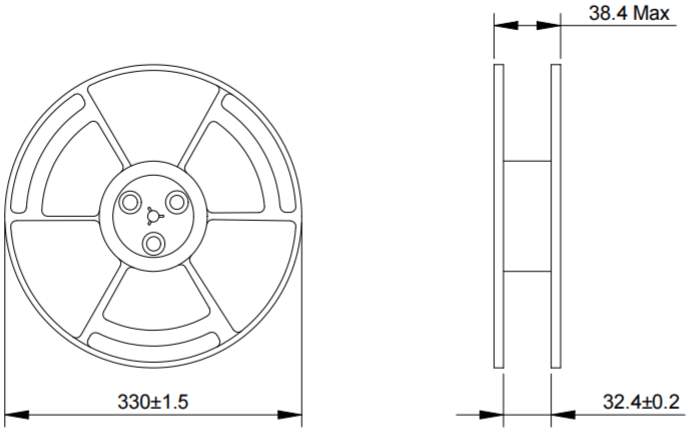
电气性能曲线

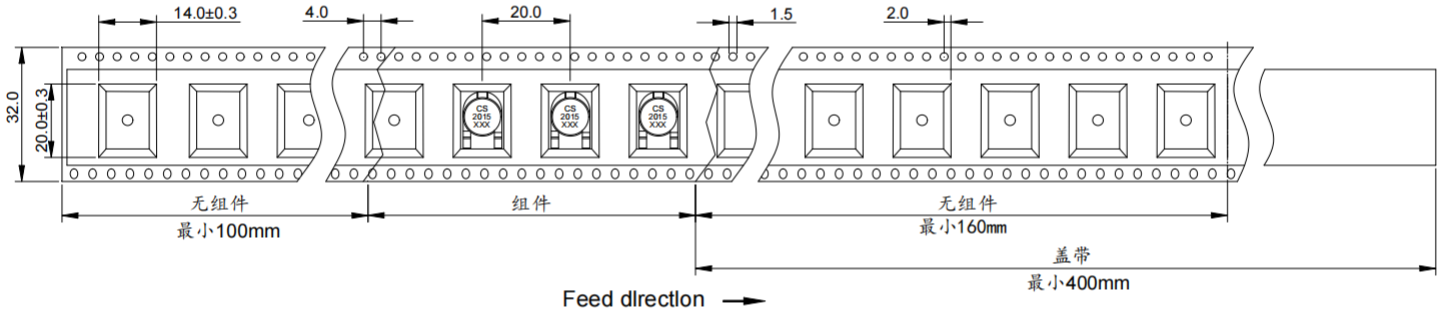


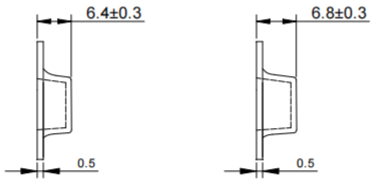


■Packaging Specification - Tape and Reel: [mm]

包装规格 - 卷带包装：[mm]







CS2015-330

重量: 2.1g/PCS

包装数量: 500 PCS/Reel

CS2015-660

重量: 2.8g/PCS

包装数量: 400 PCS/Reel