芯芒微电子

XINMANG MICROELECTRONICS

POWERHEN

Electronics

产品规格书

CS2014

射频电感线圈

联系我们 / CONTACT

电话：0755-28088656

手机 / 微信：13823685284

地址：深圳市龙华新区观澜深粮汽车电子特色工业园A2栋3楼

样品申请 · 替代选型 · 批量报价，欢迎来函来电

CS2014 High Current Air Core Inductors 高电流空心线圈电感

Features

- Air-core.Non 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
CS2014-330ML	33	0.63	0.74	230	100	620	32.5	43.0	5.99
CS2014-660ML	66	0.90	1.00	200	50	413	31.5	42.5	7.09
CS2014-111ML	108	1.20	1.34	210	50	320	31.0	42.0	8.31
CS2014-151ML	155	1.44	1.60	205	50	296	29.4	39.7	9.19
CS2014-201ML	202	1.70	1.82	200	50	262	26.3	35.8	10.4
CS2014-251ML	257	1.94	2.15	200	50	230	24.9	34.5	11.4

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.

④SRF 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。

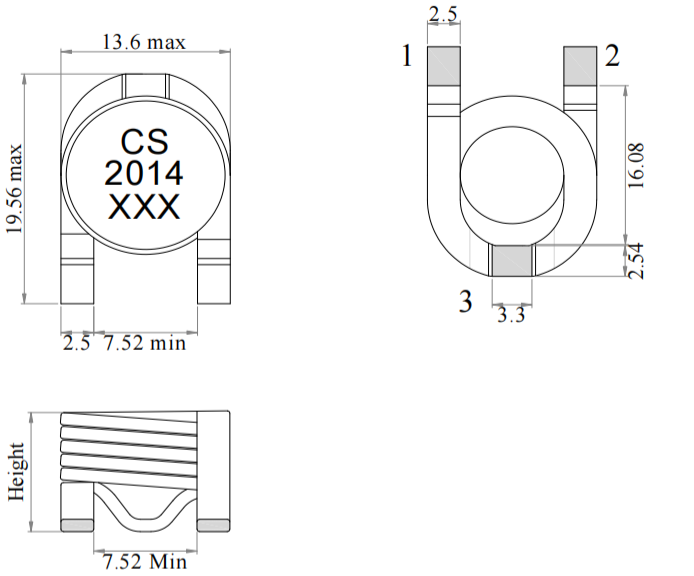
④SRF 使用 Agilent E5061B 网络分析仪和 Agilent 16193A 测试夹具测量。

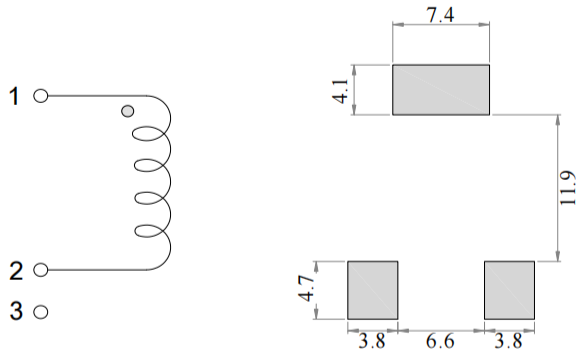
⑤导致指定温度从 25° C 环境温度上升的电流。 此信息仅供参考，不代表绝对最大额定值。

⑥25° C 时的电气规格

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

Dimensions 尺寸





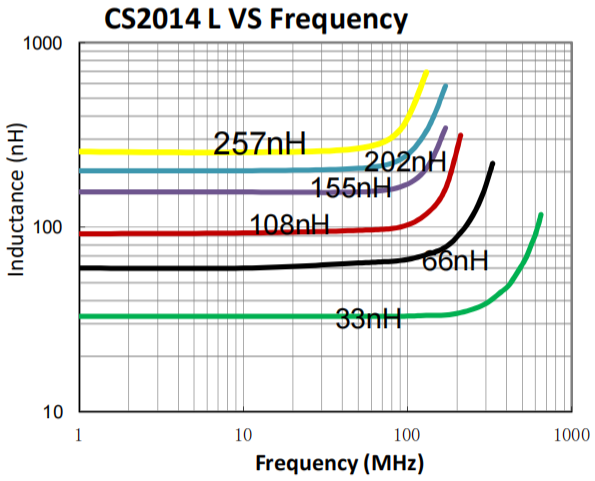
SCHEMATIC

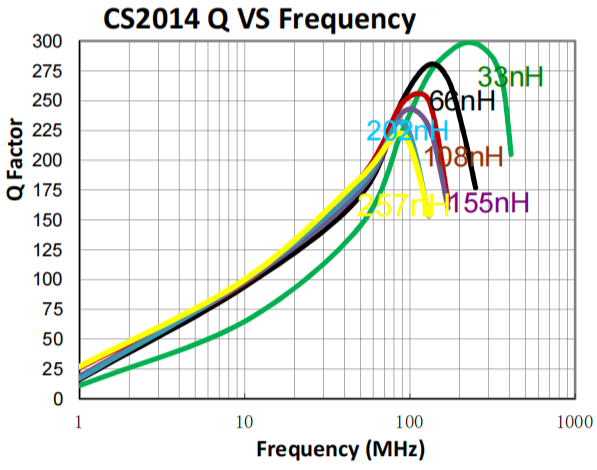
PCB LAYOUT

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

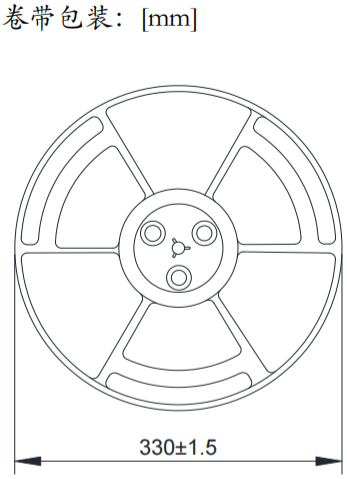


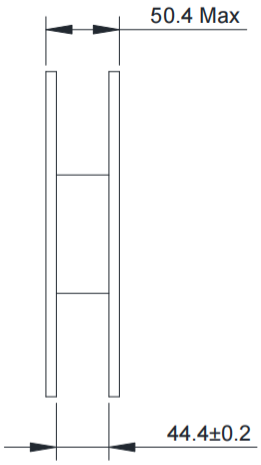


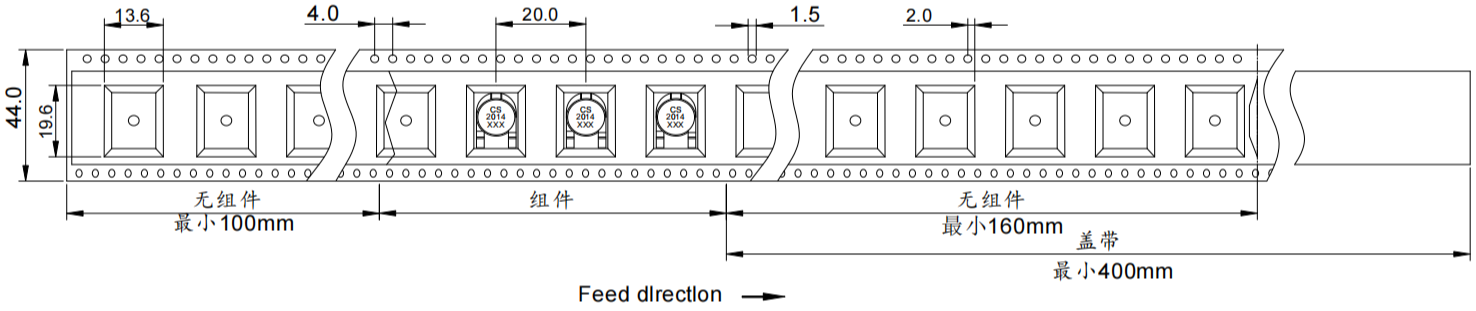
ShenZhen Powerhen Electronic Co.,Ltd
Addr:Floor 3, Building 2, Shenliang Automotive Electronic Industrial Park, Guanlan Town, Shenzhen
Tel:0755-23570708 *E-Mail:sales@powerhen.com*

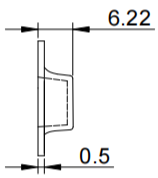
■Packaging Specification - Tape and Reel: [mm]

包装规格 - 卷带包装：[mm]



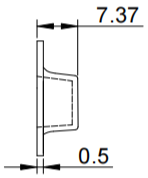






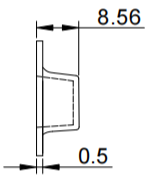
CS2014-330

重量: 1.6g/PCS
包装数量: 500 PCS/Reel



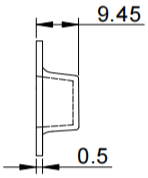
CS2014-660

重量: 2.3g/PCS
包装数量: 450 PCS/Reel



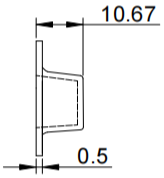
CS2014-111

重量: 3.1g/PCS
包装数量: 400 PCS/Reel



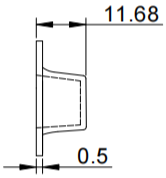
CS2014-151

重量: 3.6g/PCS
包装数量: 350 PCS/Reel



CS2014-201

重量: 4.4g/PCS
包装数量: 350 PCS/Reel



CS2014-251

重量: 5.0g/PCS
包装数量: 200 PCS/Reel

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