芯芒微电子

XINMANG MICROELECTRONICS

POWERHEN

Electronics

产品规格书

PG103

贴片大电流功率电感

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

SMD HIGH CURRENT POWER INDUCTOR 贴片大电流功率电感

■PG103 Series

Features 特点

- Susing flat wire, and SMD type. 采用扁平线，贴片类型
- Low radiation noise by magnetically shielded construction
  闭合磁路封装，低辐射
- High current, Low resistance. 大电流，低电阻
- Operating temperature : -40℃~+125℃. 工作温度：-40℃~+125℃
- Tape and reel packaging: -40°C to +80°C 卷带包装：－40° C 至 +80° C
- Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
  耐焊接热最多三个 40 秒回流 +260° C，部件在循环之间冷却至室温
- Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
  湿气敏感度等级 (MSL) 1（在 <30° C 时的无限车间寿命/ 85% 相对湿度）



Applications 应用

- high efficiency DC/DC converters. 高效 DC/DC 转换器
- Single and polyphase buck converters. 单相、多相降压转换器
- Filter for audio applications. 音频滤波应用
- Optimized for high current boost applications. 大电流升压应用优化

Electrical characteristics 电气特性

Part number	①Inductance μH±20%	②DC resistance mΩ typ	max.	③SRF typical MHz	④Isat A typical 10% drop	20% drop	30% drop	⑤Irms A typical 20℃rise	40℃rise
PG103-201ML	0.15	0.82	0.64	257	25	37	50	43	52
PG103-331ML	0.33	2.17	2.4	170	37	45	56	20	31
PG103-561ML	0.56	2.17	2.4	100	10	16.6	25	20	31
PG103-681ML	0.68	4.79	5.27	80	22.5	35	42	13	19.5
PG103-102ML	1.0	4.79	5.27	63	8	13	18	13	19.5
PG103-122ML	1.2	6.6	7.26	53	15	25	32	10	17.5
PG103-152ML	1.5	6.6	7.26	46	7	10	14.6	10	17.5
PG103-222ML	2.2	11.38	12.5	33	6	9.5	13	7	12.5

Remark

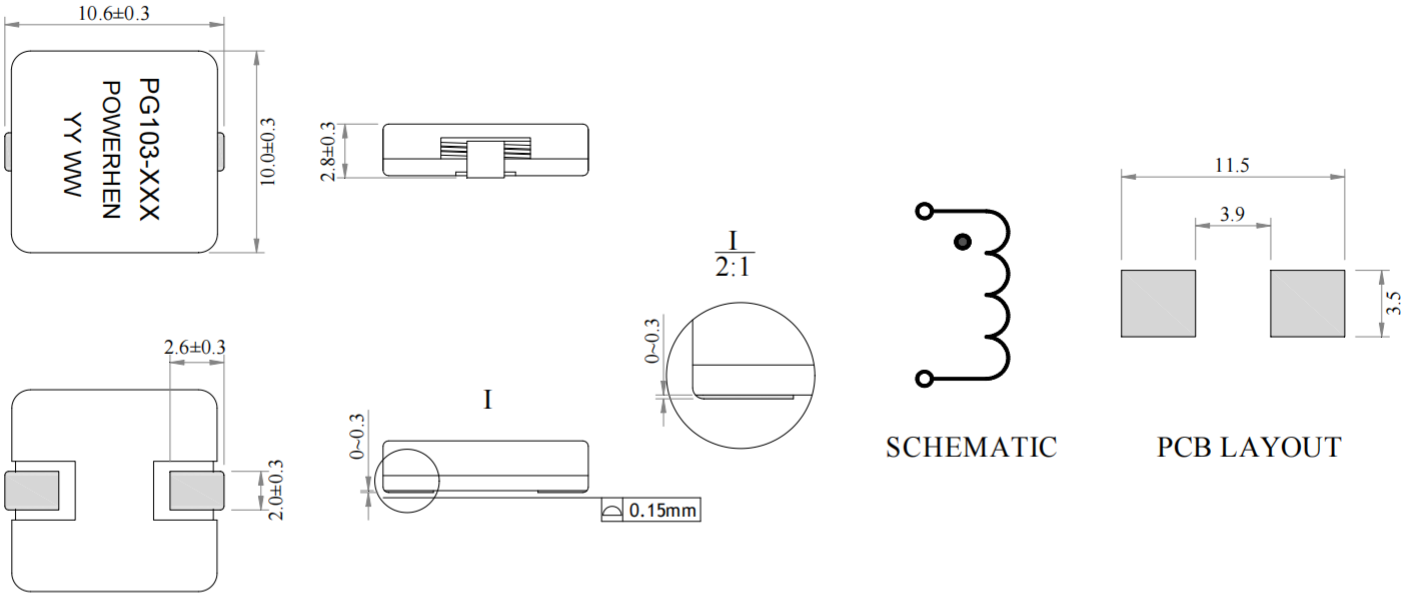
①Inductance is measured with a LCR meter Agilent 4284A or equivalent.Test frequency at 100kHz
②DC resistance is measured with keithley 580 Milliohm Meter , or equivalent.Reference ambient temperature 25°C
③SRF measured using an Agilent 4395A network analyzer and an Agilent 16193A test fixture.
④DC current at 25°C that causes the specified Inductance drop from its value without current.
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

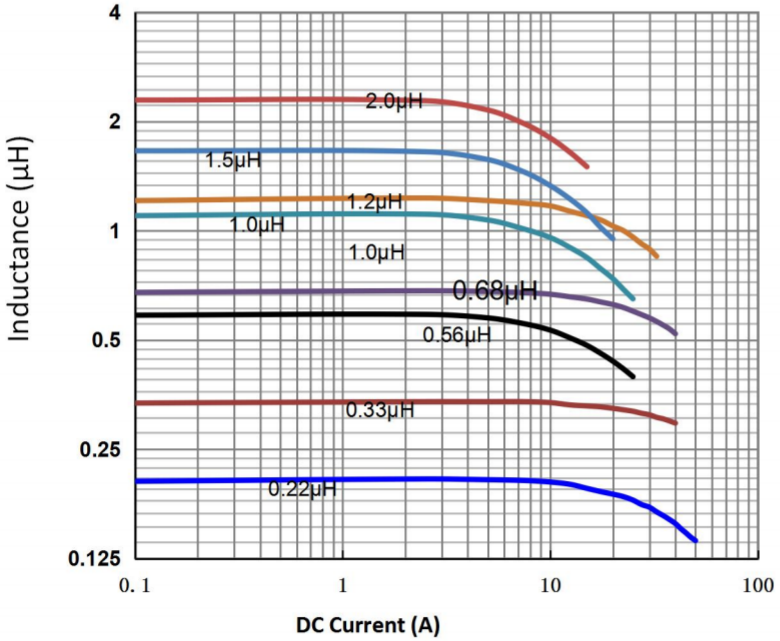
①电感量测试采用 Agilent 4284A 数字电桥或同等仪器；测试频率 100KHz
②直流电阻测试采用 keithley 580 毫欧表或同等仪器；
环境温度 25° C
③SRF 使用 Agilent 4395A 网络分析仪和 Agilent 16193A 测试夹具测量。
④直流电流在 25° C，加载导致指定电感从没有电流的值下降。
⑤导致指定温度从 25° C 环境温度上升的电流。 此信息仅供参考，不代表绝对最大额定值。
⑥25° C 时的电气规格

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 结构尺寸

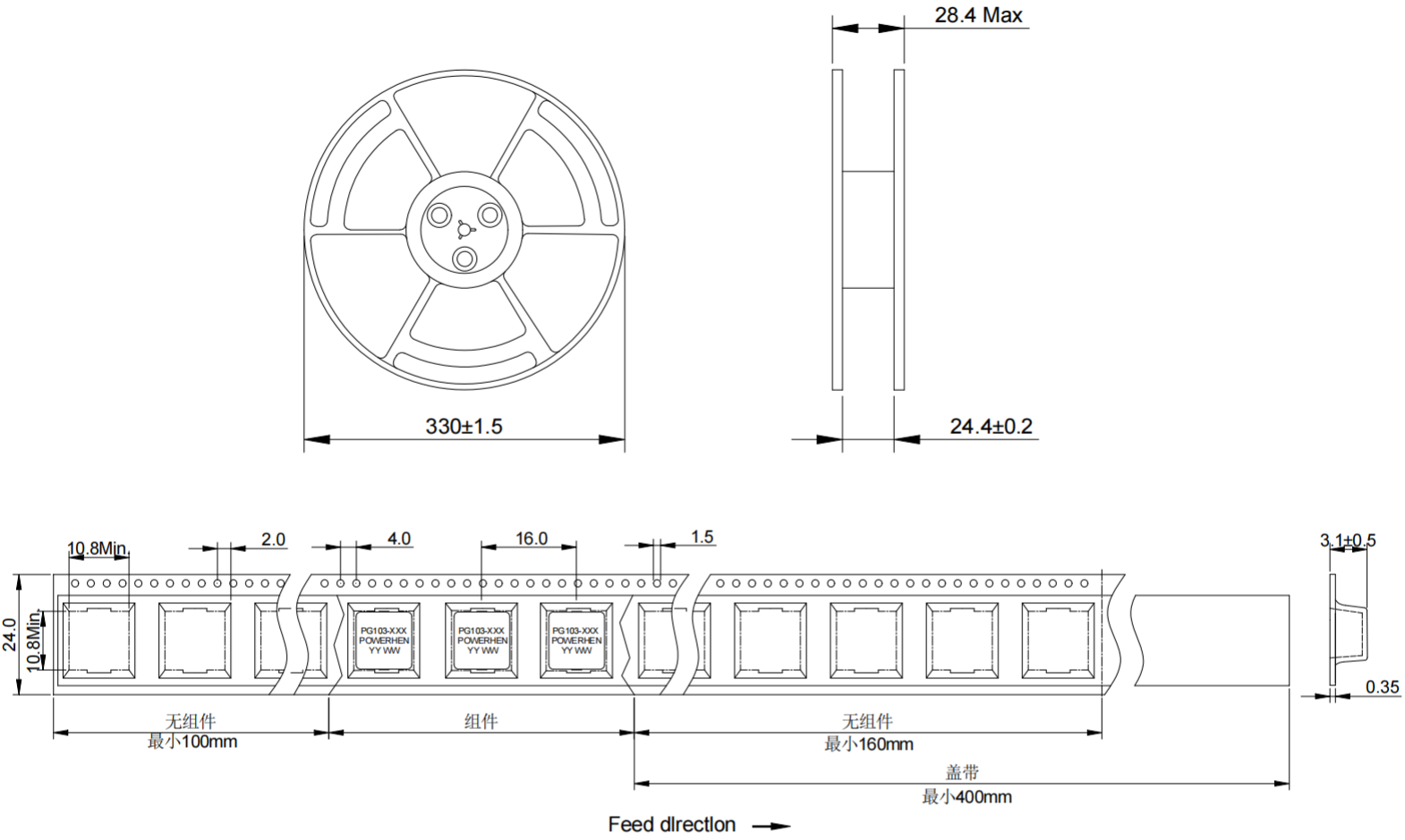


Electrical Characteristic Curve 电气特性曲线



■Packaging Specification - Tape and Reel: [mm]

包装规格 - 卷带包装：[mm]



Weight 重量: 1.52~1.625g/PCS

Packaging 包装数量: 800 PCS/Reel