

PMS1310

SMD Coupled Flat wire Inductor

贴片耦合扁平线电感

Features 特点

- Core material: Powdered iron.
芯材: 铁粉
- Flat wire Coupled inductor
扁平线耦合电感器
- Low inductance drift over temperature
电感随温度变化的低波动
- Coupled inductor with two identical windings More variants due to parallel and series connection possible
两个相同绕组的耦合电感器通过并联和串联连接, 可提供更多变体
- Operating temperature : $-40^{\circ}\text{C}\sim+125^{\circ}\text{C}$.
工作温度: $-40^{\circ}\text{C}\sim+125^{\circ}\text{C}$



Applications 应用

- High power switching regulators 大功率开关稳压器
- 1:1 flyback converter 1: 1 反激式转换器
- Buck, Boost, Sepic and Cuk Converter Buck, Boost, Sepic 和 Cuk 转换器
- Switching regulators with second unregulated output voltage 具有第二个非稳压输出电压的开关稳压器
- Battery Cell Charging Balancer 电池充电平衡器

Electrical characteristics 电气特性

Part number 料号	Inductance ^① 电感量 $\mu\text{H}\pm 20\%$	DCR ^② 直流电阻 $\text{m}\Omega$ max. typ.		SRF ^③ 自谐频率 MHz	Isat (A) ^④ 饱和电流 Drop 30%	Irms(A) ^⑤ 温升电流 Rise 40°C	Turns Ratio 匝比
PMS1310-801ML	0.8	1.78	1.6	70	62	28	1:1
PMS1310-122ML	1.2	2.65	2.4	58	42	23	1:1
PMS1310-172ML	1.7	3.65	3.3	44	39	21	1:1
PMS1310-172ML	2.2	4.65	4.2	34	35	18	1:1
PMS1310-292ML	2.9	6.2	5.6	25	29	17	1:1
PMS1310-352ML	3.5	8.25	7.5	21	27	14	1:1
PMS1310-442ML	4.4	10.6	9.6	18	24	12	1:1

Remark

- Inductance is measured with a LCR meter Agilent 4284A or equivalent.
Test frequency at 100kHz
- DC resistance is measured with Keithley 580 Milliohm Meter, or equivalent.
Reference ambient temperature 25°C
- SRF measured using an Agilent 4395A network analyzer and an Agilent 16193A test fixture.
- DC current at 25°C that causes the specified inductance drop from its value without current.
- Current that causes the specified temperature rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
- Electrical specifications at 25°C

备注

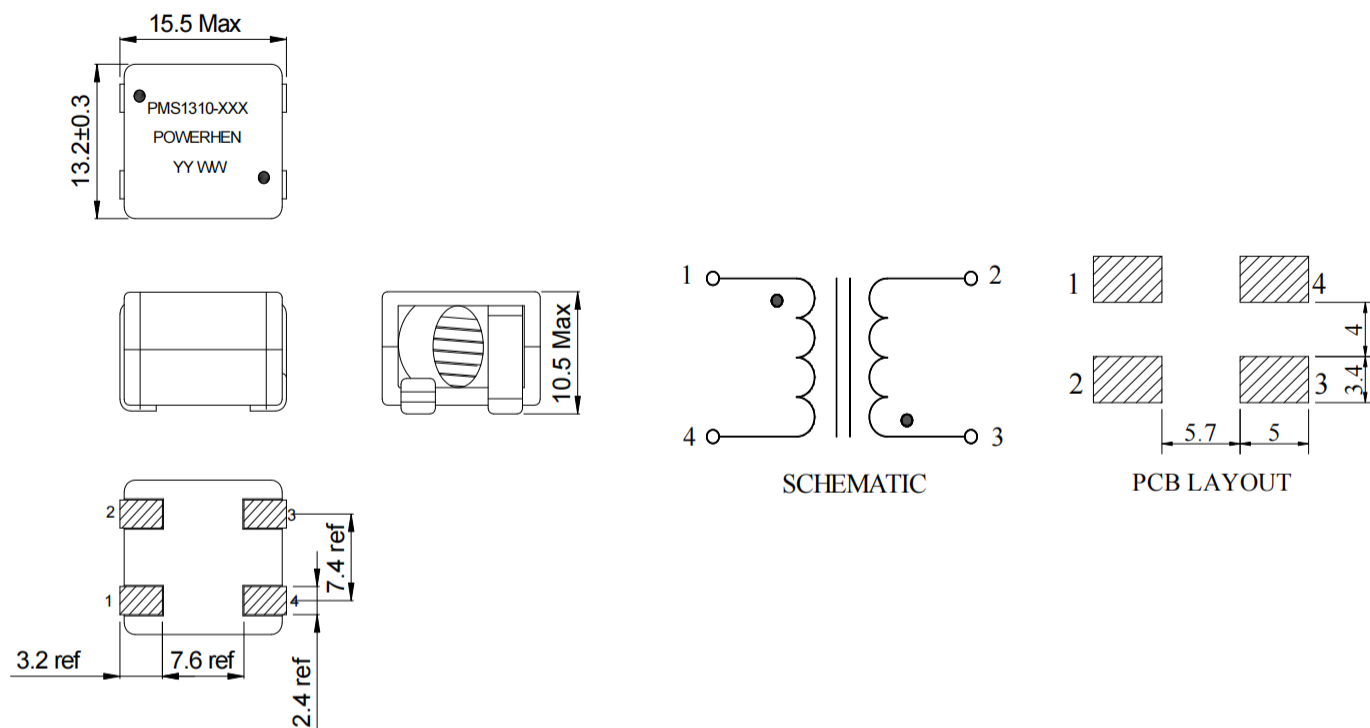
- 电感量测试采用 Agilent 4284A 数字电桥或同等仪器;
测试频率 100KHz
- 直流电阻测试采用 Keithley 580 毫欧表或同等仪器;
环境温度 25°C
- SRF 使用 Agilent 4395A 网络分析仪和 Agilent 16193A 测试夹具测量。
- 直流电流在 25°C , 加载导致指定电感从没有电流的值下降。
- 导致指定温度从 25°C 环境温度上升的电流。此信息仅供参考, 不代表绝对最大额定值。
- 25°C 时的电气规格

ShenZhen Powerhen Electronic Co.,Ltd

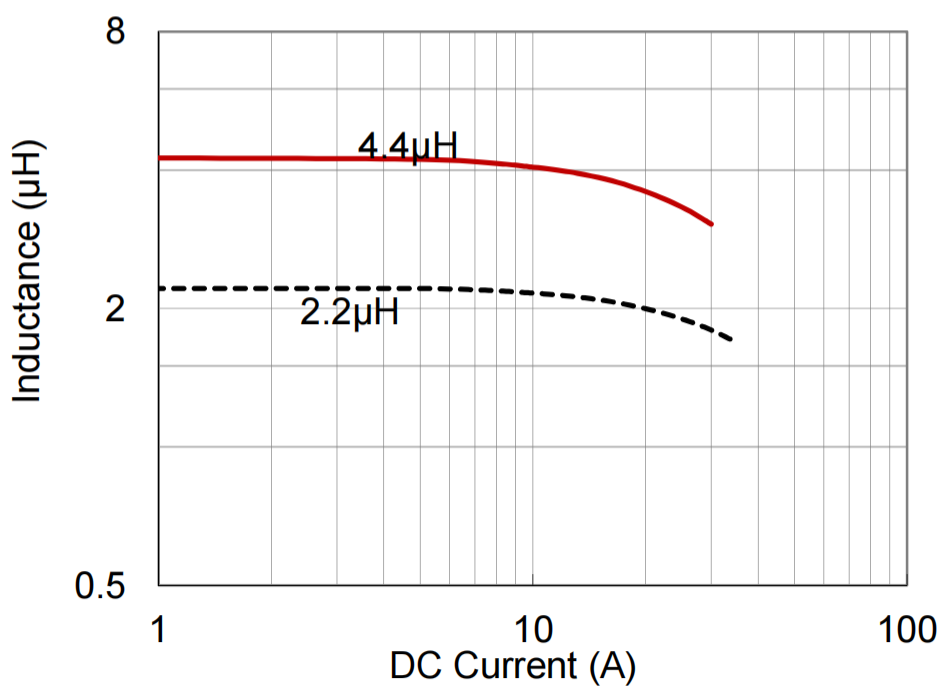
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*The specifications of the data measured in the laboratory, differ in conditions of use, please refer to the actual.
*The specifications are subject to change, without prior notice.
*Without approval, this product can not be used for medical military or other high-risk areas

Dimensions 结构尺寸

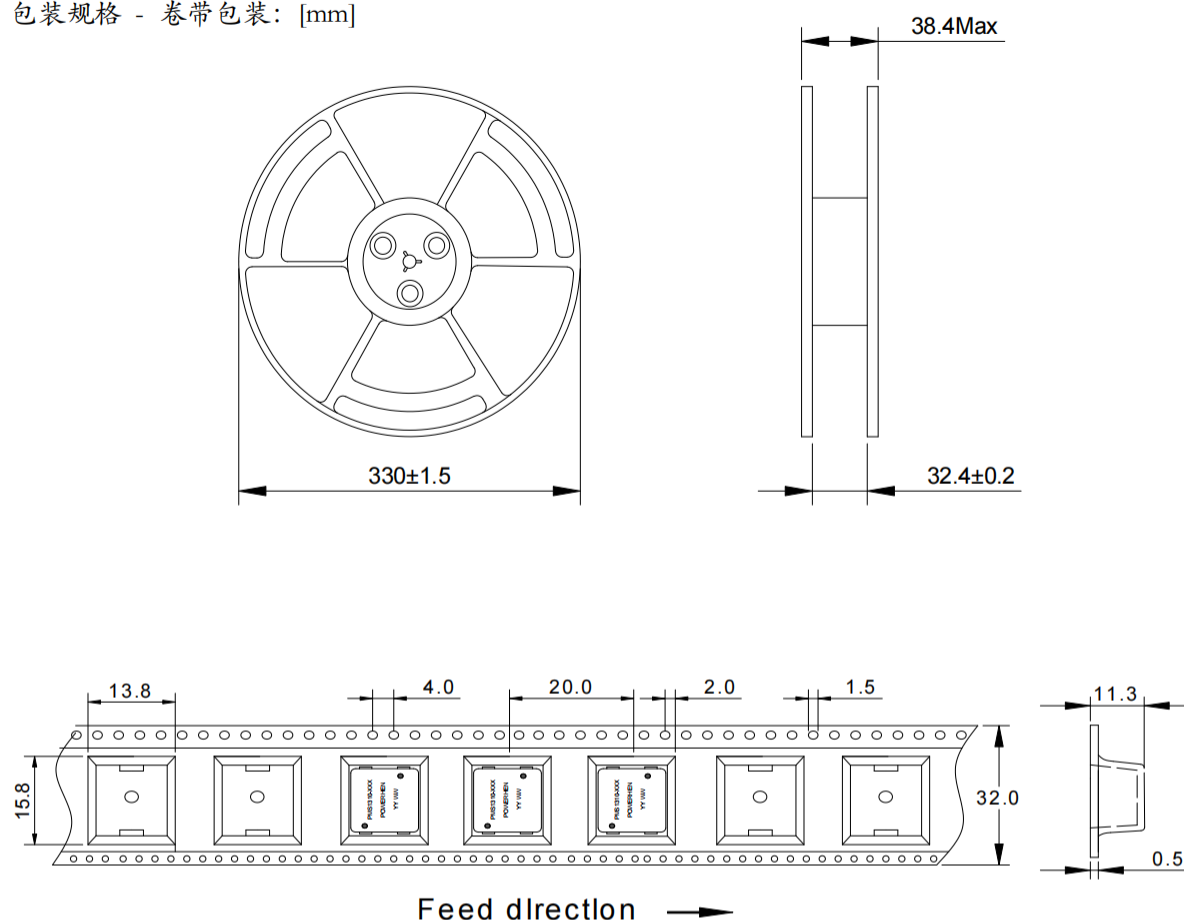


Electrical Characteristic Curve 电气特性曲线



■ Packaging Specification - Tape and Reel: [mm]

包装规格 - 卷带包装: [mm]



Weight 重量: 7.38~7.77g/PCS

Packaging 包装数量: 300 PCS/Reel