

PMS1312

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 $\text{m}\Omega$		SRF ^③ 自谐振频率 MHz	Isat (A) ^④ 饱和电流 Drop 30%	Irms(A) ^⑤ 温升电流 Rise 40°C	Turns Ratio 匝比
		max.	typ.				
PMS1312-682ML	6.8	12.45	11.3	28	16	14	1:1
PMS1312-822ML	8.2	14.3	13	23	14	13.5	1:1
PMS1312-103ML	10	15.3	13.9	12	13.5	13	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

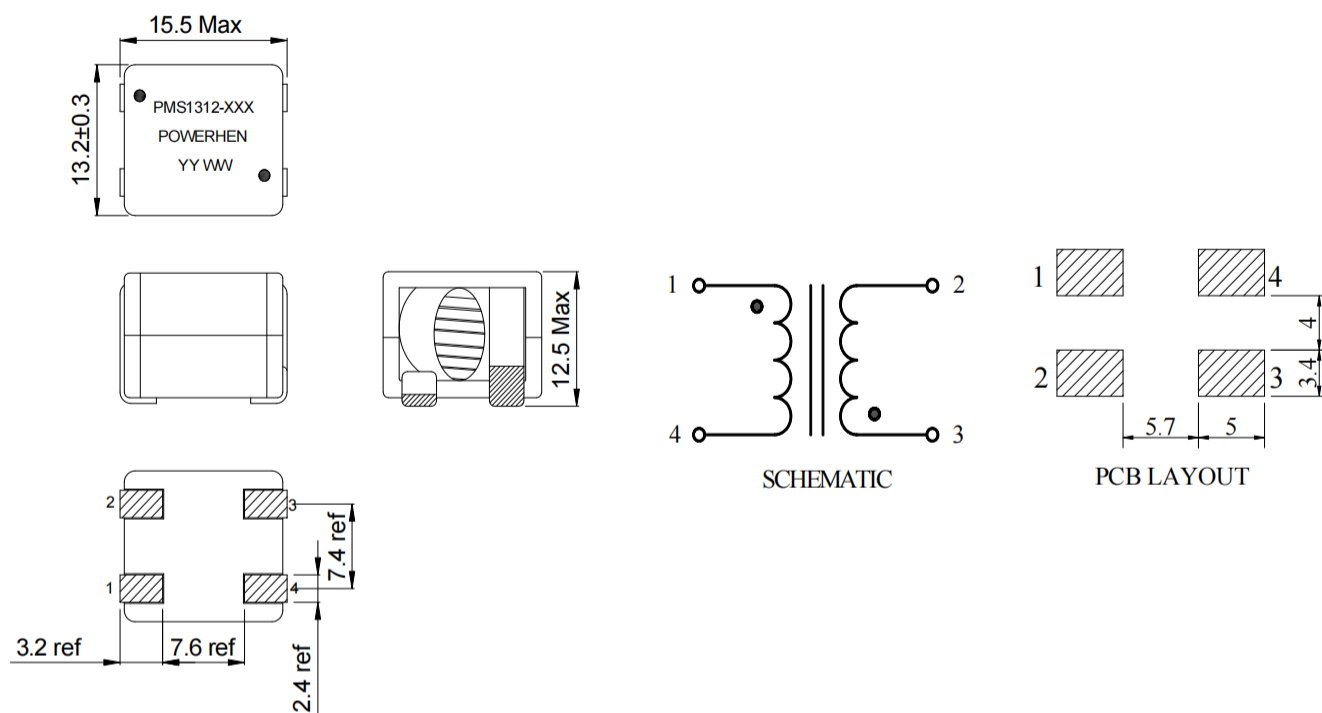
- 感量测试采用 Agilent 4284A 数字电桥或同等仪器; 测试频率 100KHz
- 直流电阻测试采用 Keithley 580 毫欧表或同等仪器; 环境温度 25°C
- SRF 使用 Agilent 4395A 网络分析仪和 Agilent 16193A 测试夹具测量。
- 直流电流在 25°C , 加载导致指定电感从没有电流的值下降。
- 导致指定温度从 25°C 环境温度上升的电流。此信息仅供参考, 不代表绝对最大额定值。
- 25°C 时的电气规格

ShenZhen Powerhen Electronic Co.,Ltd

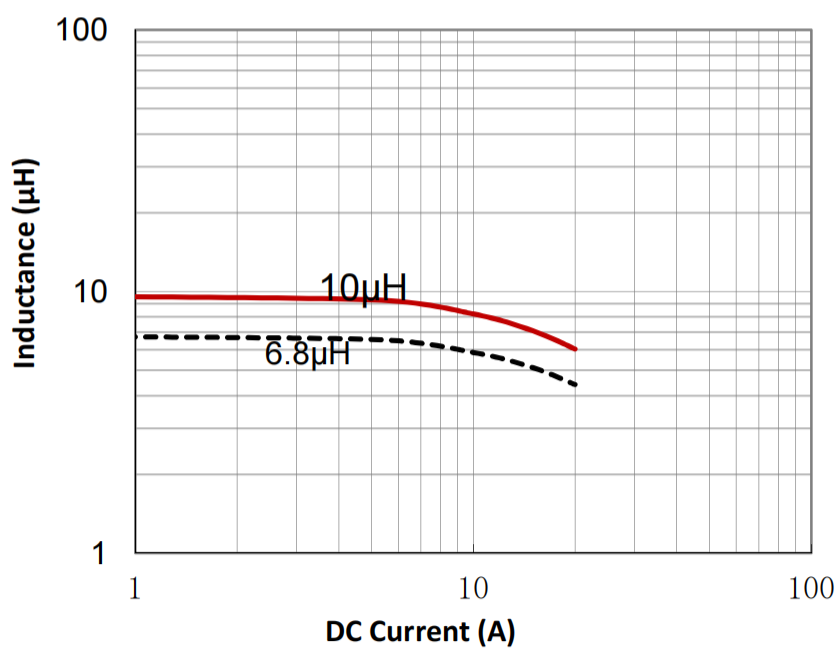
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*The specifications of the data measured in the laboratory, differ from conditions of use, please refer to the actual.
*The specifications are subject to change, without prior notice.
*Without approval, this product can not be used for medical military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

Dimensions 结构尺寸

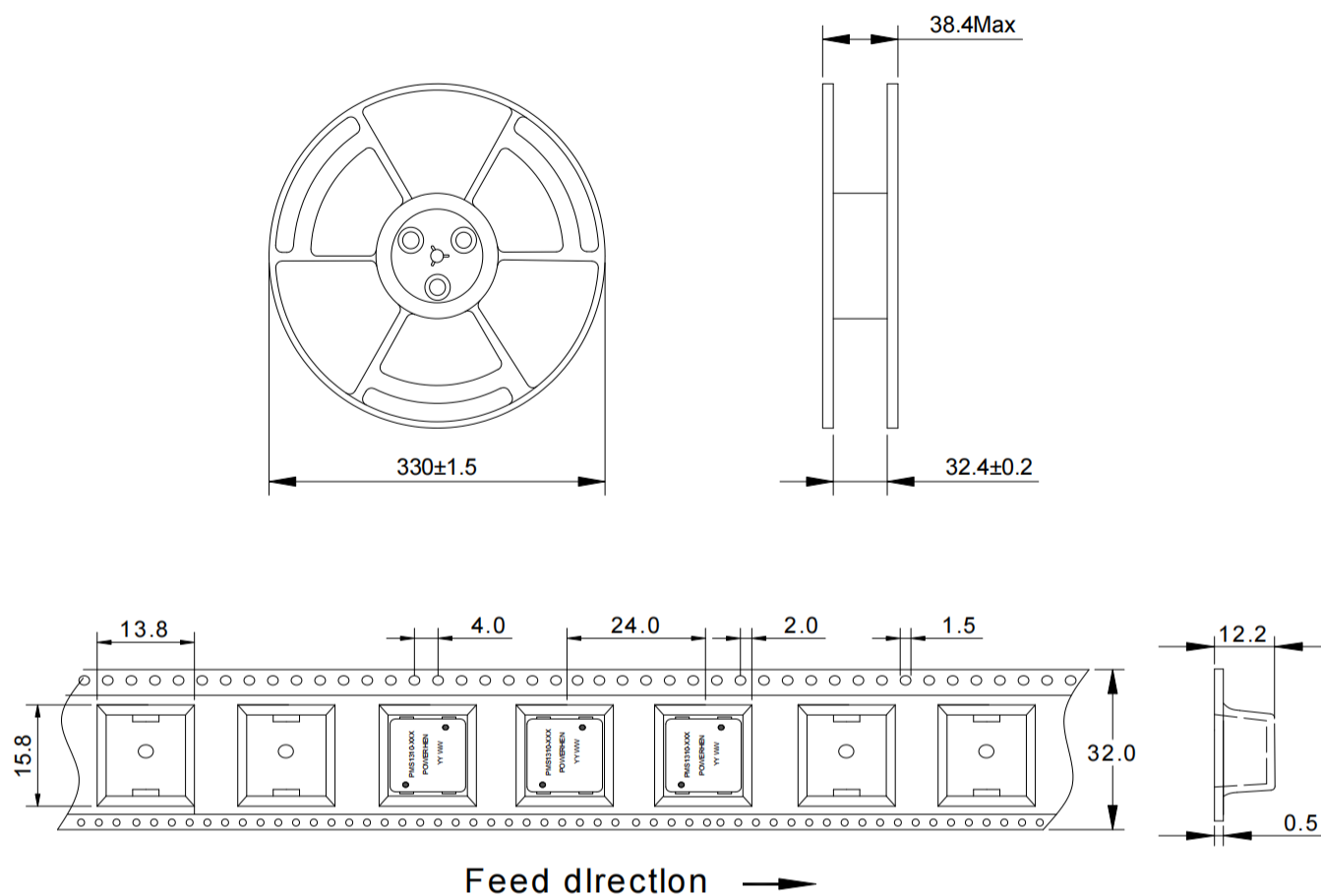


Electrical Characteristic Curve 电气特性曲线



■Packaging Specification - Tape and Reel: [mm]

包装规格 - 卷带包装: [mm]



Weight 重量: 8.35~9.0 g/PCS

Packaging 包装数量: 200 PCS/Reel