芯芒微电子

XINMANG MICROELECTRONICS

POWERHEN

Electronics

产品规格书

PH2815

贴片大电流功率电感

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样品申请 · 替代选型 · 批量报价，欢迎来函来电

HIGH CURRENT SMD POWER INDUCTOR 大电流贴片功率电感

■PH2815 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 ±10%	②DCR 直流电阻 mΩ		③SRF 自谐频率 MHz	④Isat 饱合电流 A typical			⑤Irms 温升电流 A typical	
		typ	max.	typical	10% drop	20% drop	30% drop	20℃rise	40℃rise
PH2815-152KL	1.5	1.31	1.44	43.24	110	122	125	23	36
PH2815-222KL	2.2	1.31	1.44	32.8	85	87.2	88.5	23	36
PH2815-332KL	3.3	1.31	1.44	26.44	57	59	60.5	23	36
PH2815-472KL	4.7	1.31	1.44	21.56	44	47	48	23	36
PH2815-682KL	6.8	1.31	1.44	17.03	30	32.2	33	23	36
PH2815-103KL	10	1.31	1.44	13.55	20	20.8	21.5	23	36
PH2815-153KL	15	1.31	1.44	10.73	13	13.5	14.3	23	36
PH2815-223KL	22	1.31	1.44	8.06	7.5	8.4	9.5	23	36
PH2815-333KL	33	1.31	1.44	6.29	4.5	5.2	6	23	36

Remark

①Inductance is measured with a LCR meter Agilent 4284A or equivalent. Test frequency at 500kHz

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 500KHz

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。

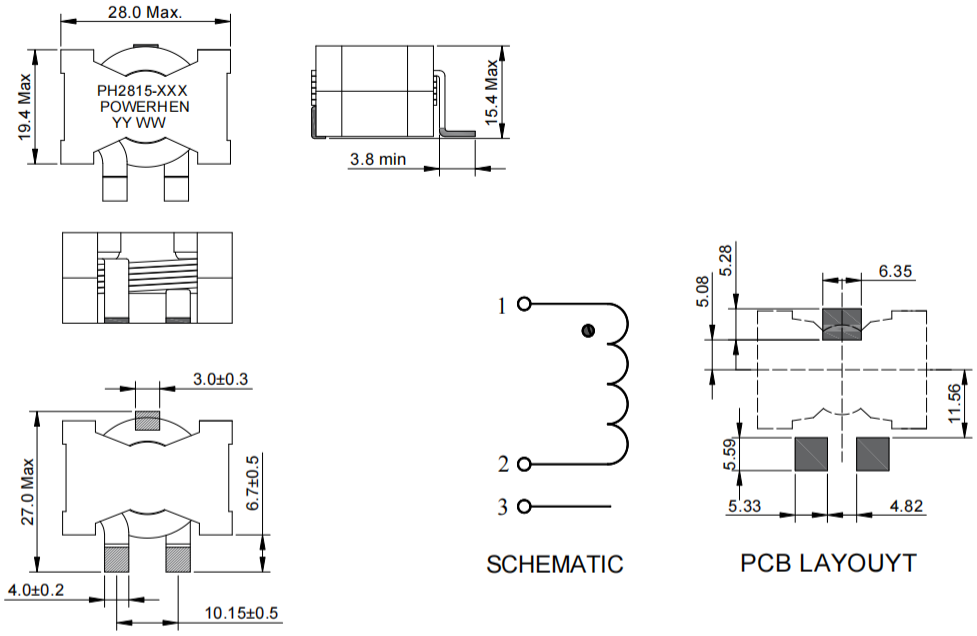
④直流电流在 25° C，加载导致指定电感从没有电流的值下降。

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。

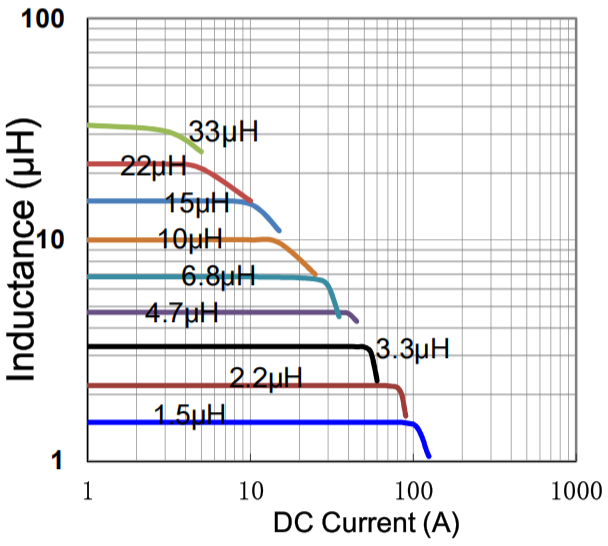
⑥25° C 时的电气规格

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Tel:0755-23570708 E-Mail:sales@powerhen.com

Dimensions 结构尺寸



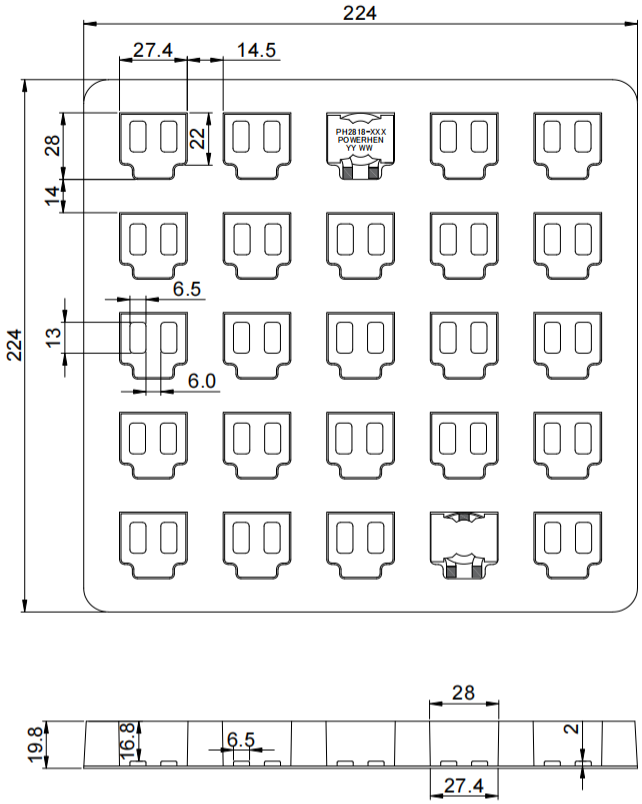
Electrical Characteristic Curve 电气性能曲线



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■Packaging Specification - tray: [mm]

包装规格 – 托盘包装：[mm]



Weight 重量: 33.3g/PCS

Packaging 包装数量: 25 PCS/盘

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