

■ 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°C ~ $+125^{\circ}\text{C}$. 工作温度: -40°C ~ $+125^{\circ}\text{C}$
- Tape and reel packaging: -40°C to $+80^{\circ}\text{C}$ 卷带包装: -40°C 至 $+80^{\circ}\text{C}$
- Resistance to soldering heat Max three 40 second reflows at $+260^{\circ}\text{C}$,
parts cooled to room temperature between cycles
耐焊接热 最多三个 40 秒回流 $+260^{\circ}\text{C}$, 部件在循环之间冷却至室温
- Moisture Sensitivity Level (MSL) 1 (unlimited floor life at $<30^{\circ}\text{C}$ /
85% relative humidity)
湿气敏感度等级 (MSL) 1 (在 $<30^{\circ}\text{C}$ 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	②DCR		③SRF	④Isat			⑤Irms	
	μH	直流电阻		自谐振频率	饱和电流			温升电流	
	$\pm 10\%$	$\text{m}\Omega$		MHz	A typical			A typical	
		typ	max.	typical	10% drop	20% drop	30% drop	20°C rise	40°C 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

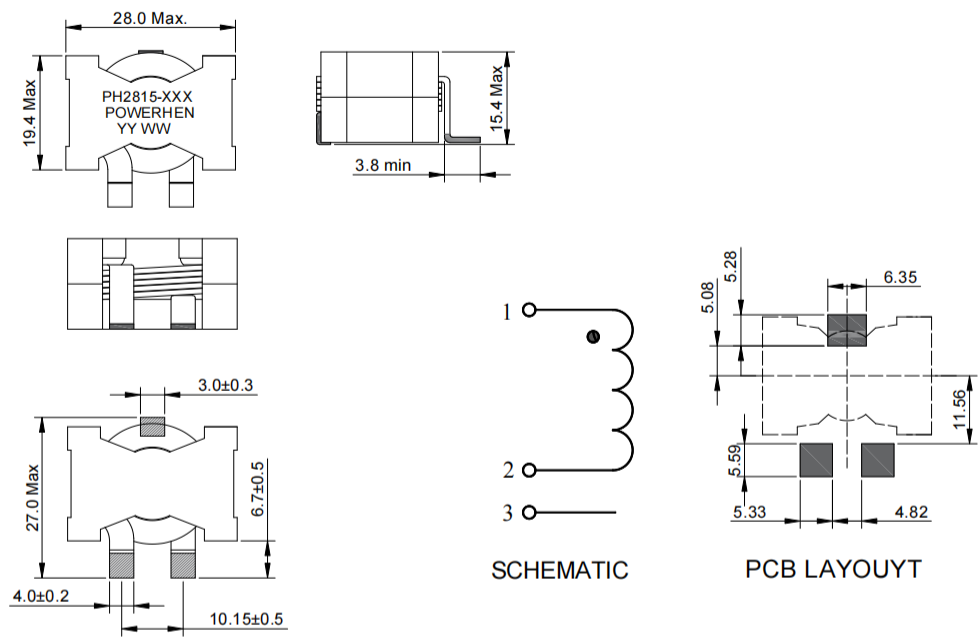
Remark

- ① Inductance is measured with a LCR meter Agilent 4284A or equivalent.
Test frequency at 500kHz
- ② DC resistance is measured with Keithley 580 Milliohm Meter, or equivalent.
Reference ambient temperature 25°C
- ③ SRF measured using an Agilent 4395A network analyzer and an Agilent 16193A test fixture.
- ④ DC current at 25°C that causes the specified Inductance drop from its value without current.
- ⑤ Current that causes the specified temperature rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
- ⑥ Electrical specifications at 25°C

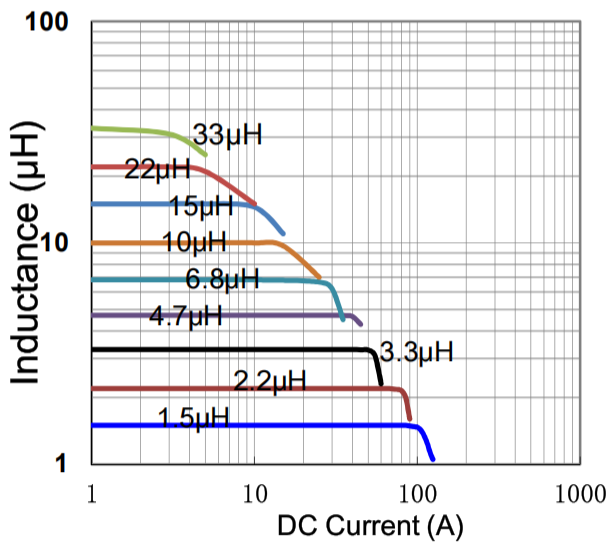
备注

- 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
- ③ SRF 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。
- ⑥ 25°C 时的电气规格

Dimensions 结构尺寸

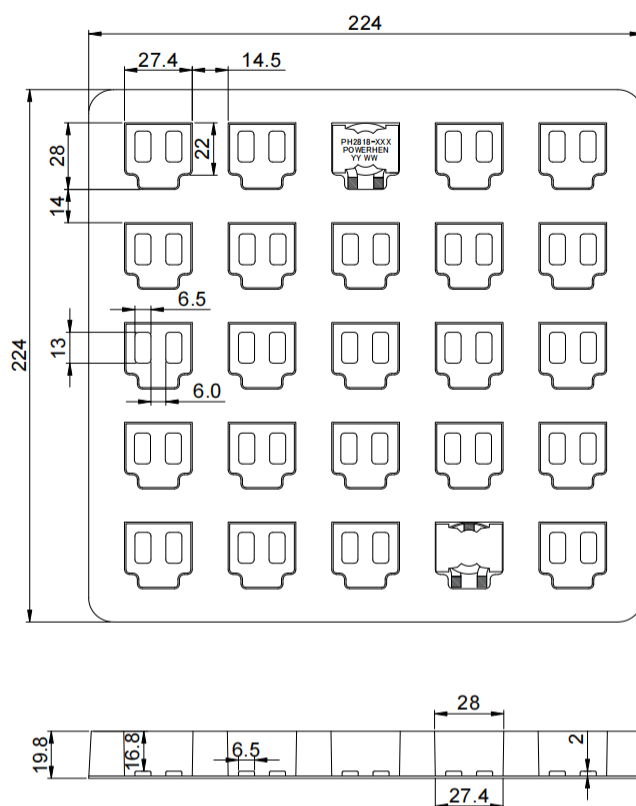


Electrical Characteristic Curve 电气性能曲线



■ 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