芯芒微电子

XINMANG MICROELECTRONICS

POWERHEN

Electronics

产品规格书

PH2818

贴片大电流功率电感

联系我们 / CONTACT

电话：0755-28088656

手机 / 微信：13823685284

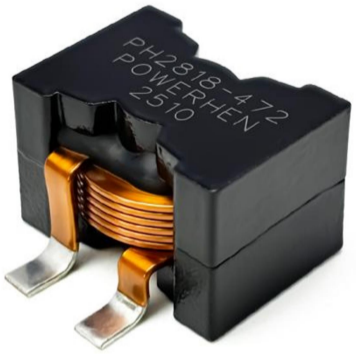
地址：深圳市龙华新区观澜深粮汽车电子特色工业园A2栋3楼

样品申请 · 替代选型 · 批量报价，欢迎来函来电

HIGH CURRENT POWER INDUCTOR 大电流功率电感

■PH2818 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
PH2818-332KL	3.3	2.4	2.64	25	90.0	98	100	22	33
PH2818-472KL	4.7	2.4	2.64	20	70	76	78	22	33
PH2818-682KL	6.8	2.4	2.64	17	50	54	55	22	33
PH2818-103KL	10	2.4	2.64	13	32.8	35	37	22	33
PH2818-153KL	15	2.4	2.64	11	22	24	26	22	33
PH2818-223KL	22	2.4	2.64	9	15.5	17	18	22	33
PH2818-333KL	33	2.4	2.64	7	10.5	11	11.5	22	33

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。

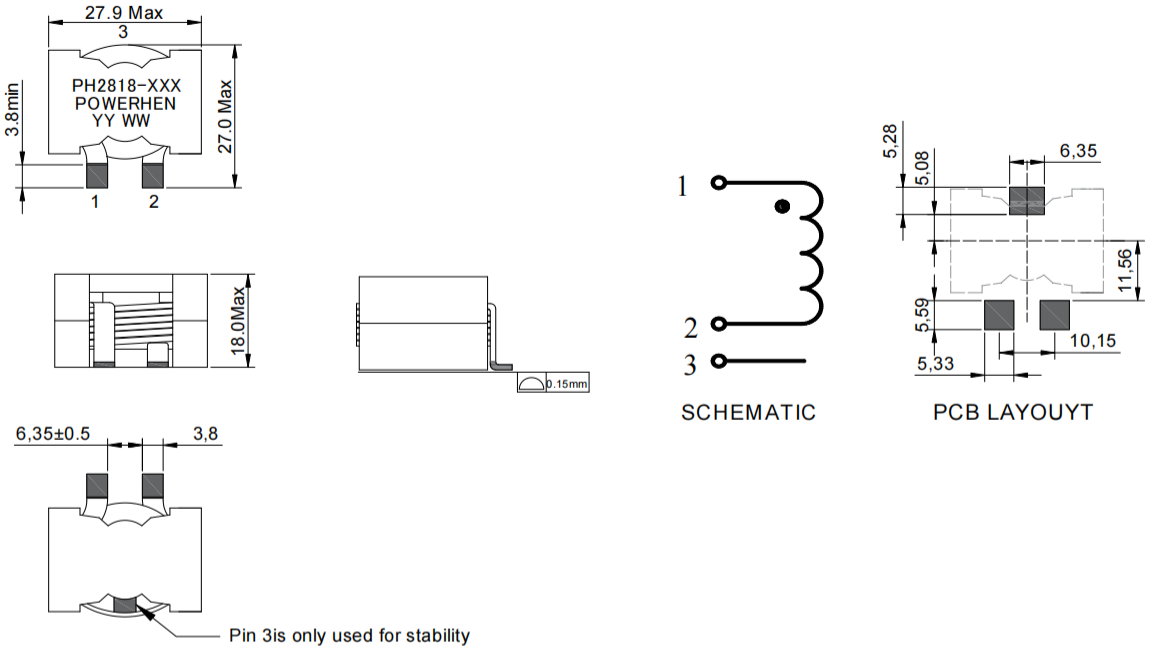
④直流电流在 25° C，加载导致指定电感从没有电流的值下降。

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。

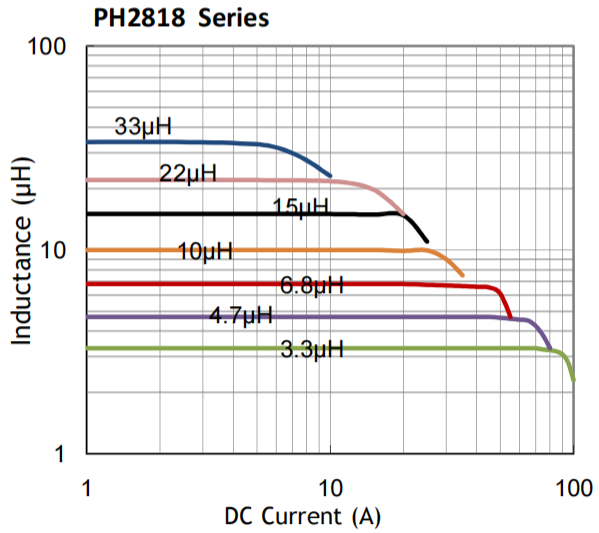
⑥25° C 时的电气规格

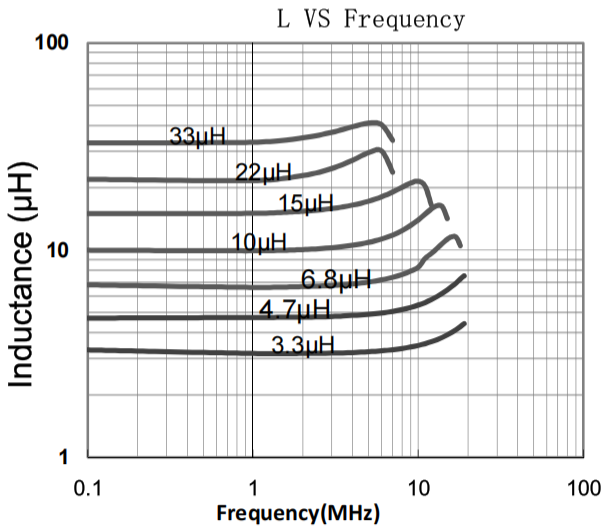
ShenZhen Powerhen Electronic Co.,Ltd
Addr:Floor 3, Building 2, Shenliang Automotive Electronic Industrial Park, Guanlan Town, Shenzhen
Tel:0755-23570708 E-Mail:sales@powerhen.com

Dimensions 结构尺寸(mm)



Electrical Characteristic Curve 电气性能曲线

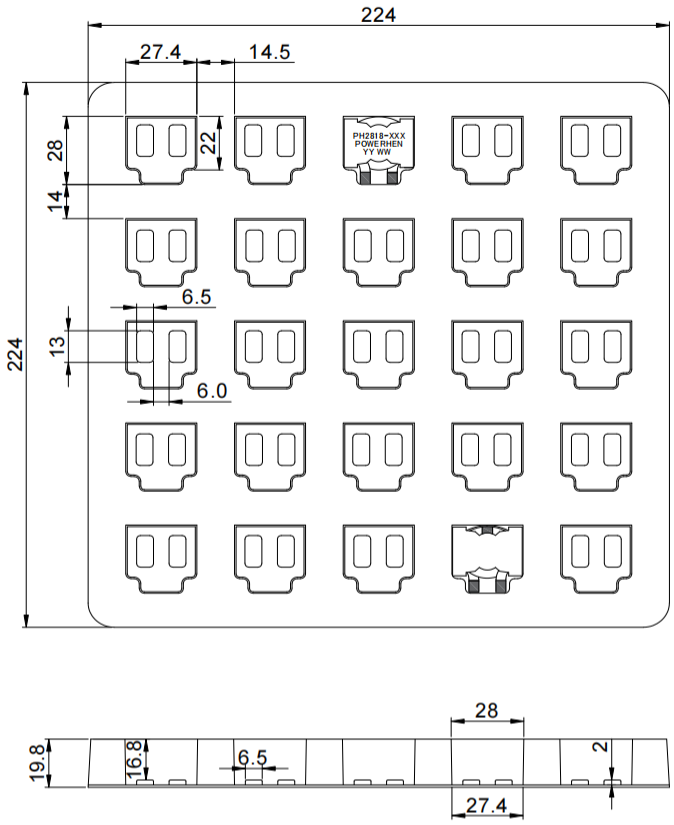




ShenZhen Powerhen Electronic Co.,Ltd
Addr:Floor 3, Building 2, Shenliang Automotive Electronic Industrial Park, Guanlan Town, Shenzhen
Tel:0755-23570708 E-Mail:sales@powerhen.com

■Packaging Specification - tray: [mm]

包装规格 – 托盘包装：[mm]



Weight 重量: 36.3g/PCS

Packaging 包装数量: 25 PCS/盘

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