芯芒微电子

XINMANG MICROELECTRONICS

POWERHEN

Electronics

产品规格书

PH2818B

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

SMD HIGH CURRENT POWER INDUCTOR 贴片大电流功率电感

■PH2818B 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℃
- Tray packaging: -40°C to +80°C 托盘包装： －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/ 85% 相对湿度时的无限制）



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
PH2818B-102KL	1.0	0.44	0.48	53	122	124	125	56	86
PH2818B-152KL	1.5	0.44	0.48	37	85	89	91.8	56	86
PH2818B-332KL	3.3	0.88	0.97	28	61	68	70	47	58
PH2818B-472KL	4.7	0.88	0.97	22	43.6	48.2	49.4	47	58
PH2818B-682KL	6.8	0.88	0.97	18	31.8	37.8	39.2	47	58
PH2818B-103KL	10	0.88	0.97	15	22.8	24	25	47	58

Remark

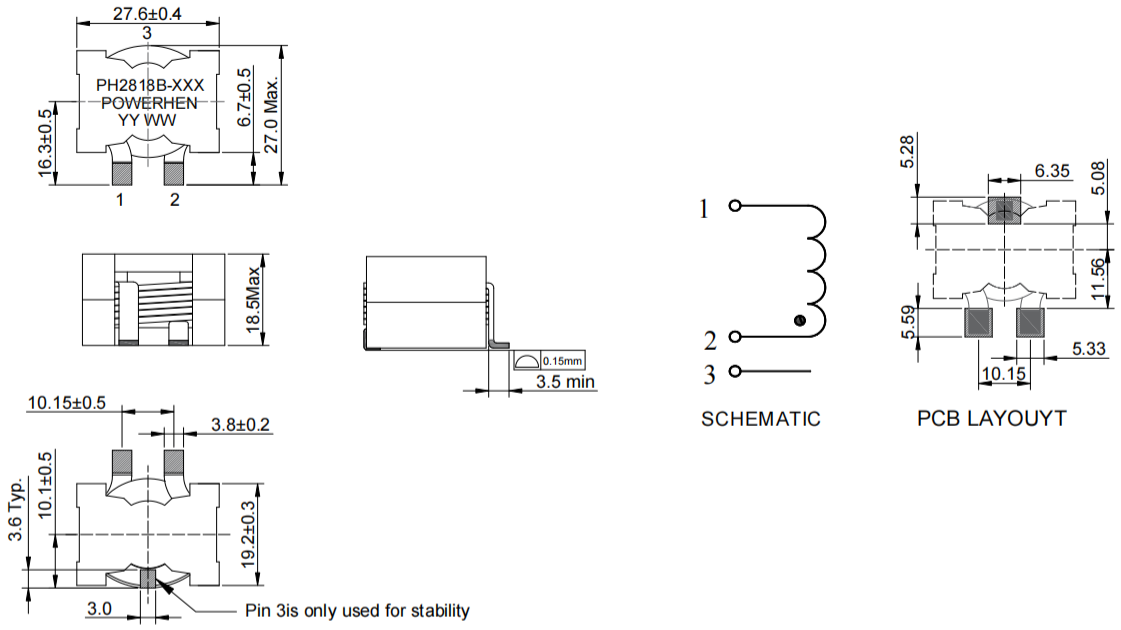
①Inductance is measured with a LCR meter Agilent 4284A or equivalent.
Test frequency at 500kHz
②DC resistance is measured with keithley 580 Milliohm Meter , or equivalent.
Reference ambient temperature 25°C
③SRF measured using an Agilent 4395A network analyzer and an Agilent 16193A test fixture.
④DC 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

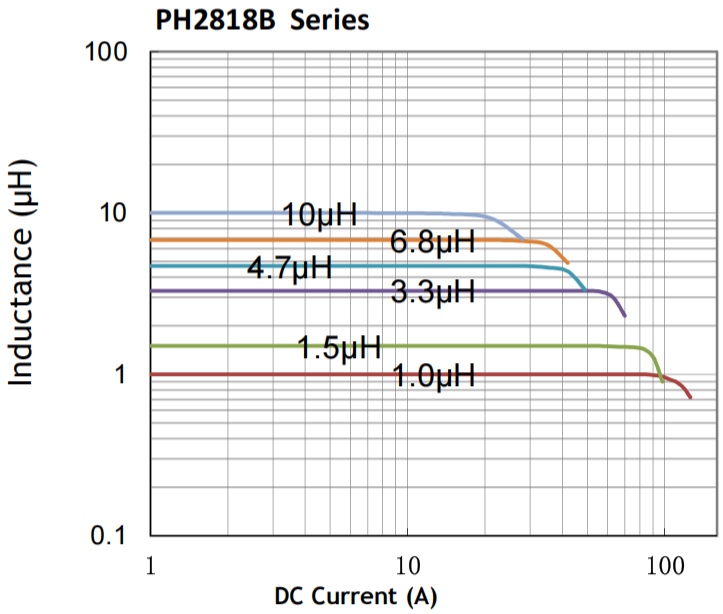
①电感量测试采用 Agilent 4284A 数字电桥或同等仪器；
测试频率 500KHz
②直流电阻测试采用 keithley 580 毫欧表或同等仪器；
环境温度 25° C
③SRF 使用 Agilent 4395A 网络分析仪和 Agilent 16193A 测试夹具测量。
④直流电流在 25° C，加载导致指定电感从没有电流的值下降。
⑤导致指定温度从 25° C 环境温度上升的电流。 此信息仅供参考，不代表绝对最大额定值。
⑥25° C 时的电气规格

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Dimensions 结构尺寸



Electrical Characteristic Curve 电气性能曲线



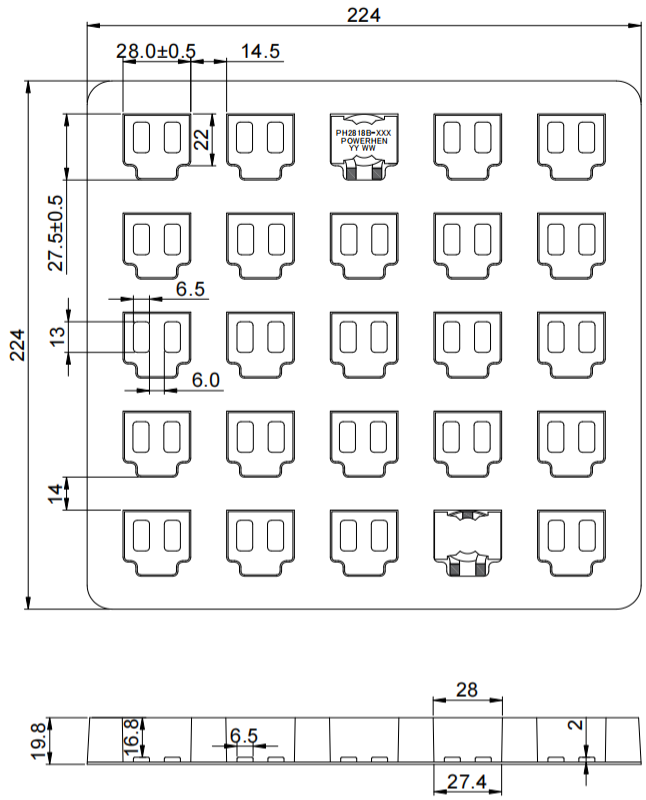
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■Packaging Specification - tray: [mm]

包装规格 – 托盘包装：[mm]



Weight 重量: 38.1g/PCS

Packaging 包装数量: 25 PCS/盘

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