

■ 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°C~+125°C. 工作温度：-40°C~+125°C
- 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 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 饱和电流 A typical | | | ⑤Irms 温升电流 A typical | |
|---------------|---------------------------|--------------------|------|---------------------|----------------------------|----------|----------|----------------------------|----------|
| | | typ | max. | | 10% drop | 20% drop | 30% drop | 20°Crise | 40°Crise |
| 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

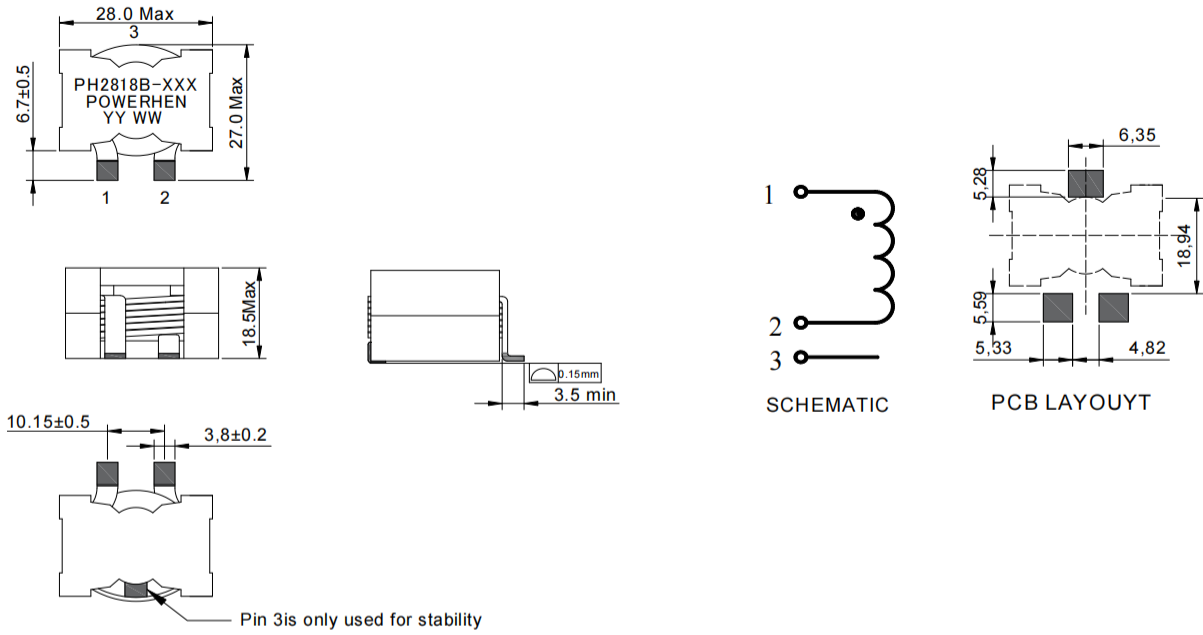
ShenZhen Powerhen Electronic Co.,Ltd

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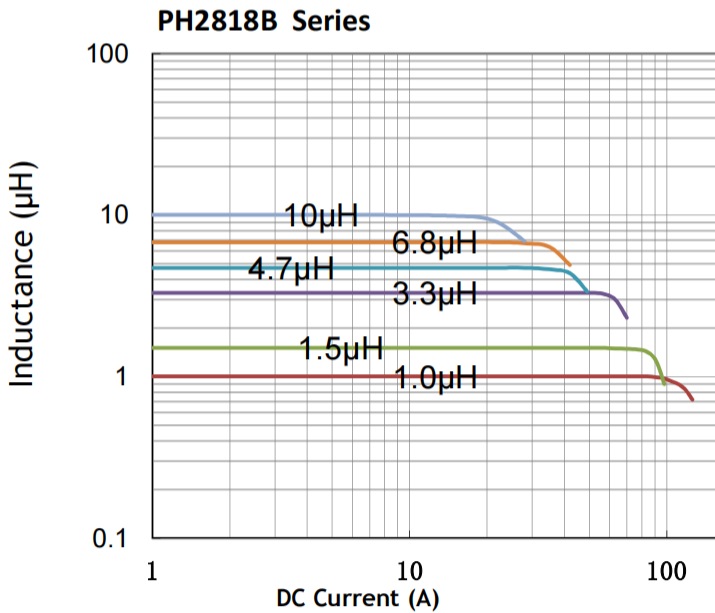
Tel: 0755-23570708

E-Mail: sales@powerhen.com

Dimensions 结构尺寸

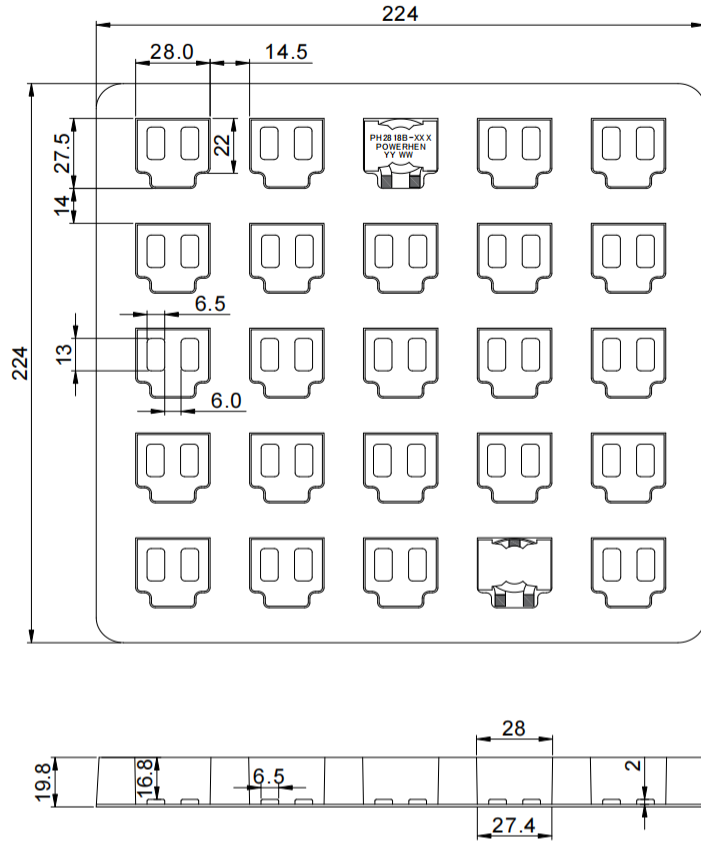


Electrical Characteristic Curve 电气性能曲线



■ 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