

## ■HLD2920 Series

### Features 特点

- Susing litz wire, and SMD type. 采用利兹线，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
- 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

Part number	① Inductance μH ±20%	②DCR mΩ		③SRF typical		④Isat A typical			⑤Irms A typical	
		typ	max.	MHz	10% drop	20% drop	30% drop	20°Crise	40°Crise	
HLD2920-333ML	33	15.3	16.83	8	7	15.7	16.3	8.5	13	
HLD2920-473ML	47	19.3	21.23	7.5	7.6	12.8	13.5	7.2	11.7	
HLD2920-683ML	68	22.2	24.2	5.3	6.4	9.9	10.7	7	11	
HLD2920-104ML	100	35.9	39.5	4.3	7.5	9.1	9.7	5.7	8.2	
HLD2920-154ML	150	38.9	42.8	3.8	6	7.2	7.8	5.5	8	

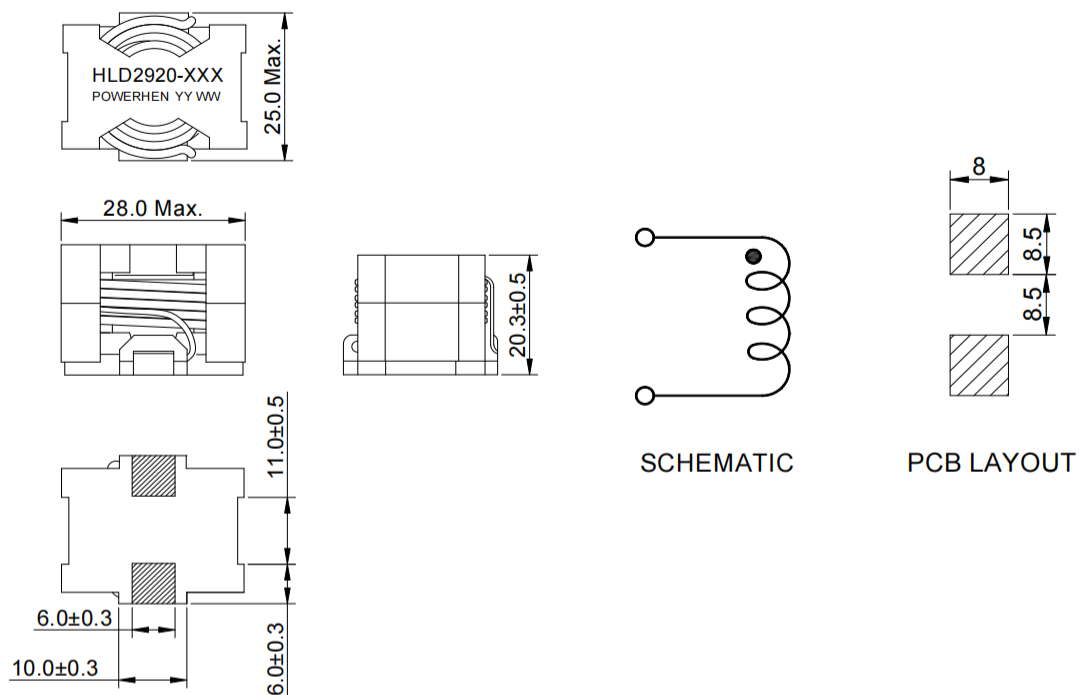
### Remark

- ① Inductance is measured with a LCR meter Agilent 4284A or equivalent.  
Test frequency at 100kHz
- 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

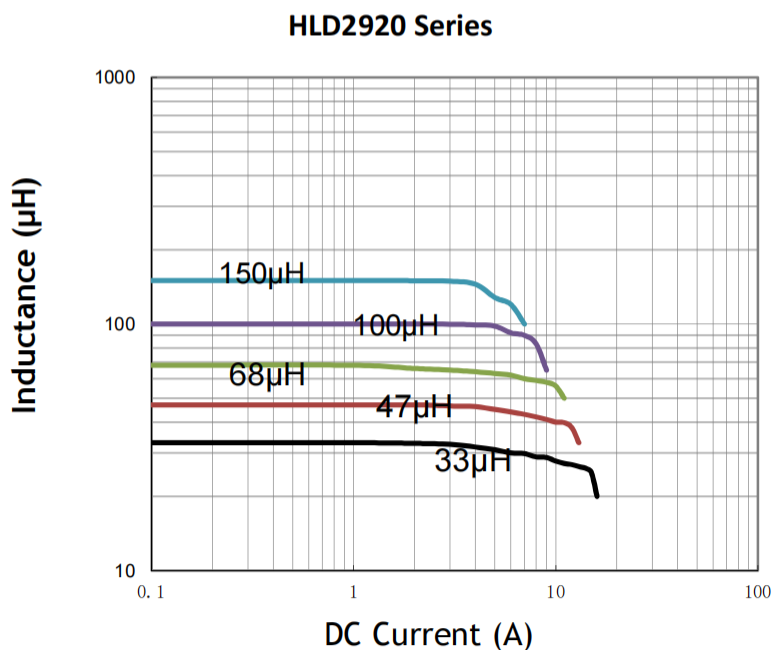
### 备注

- ① 感量测试采用 Agilent 4284A 数字电桥或同等仪器；  
测试频率 100kHz
- 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

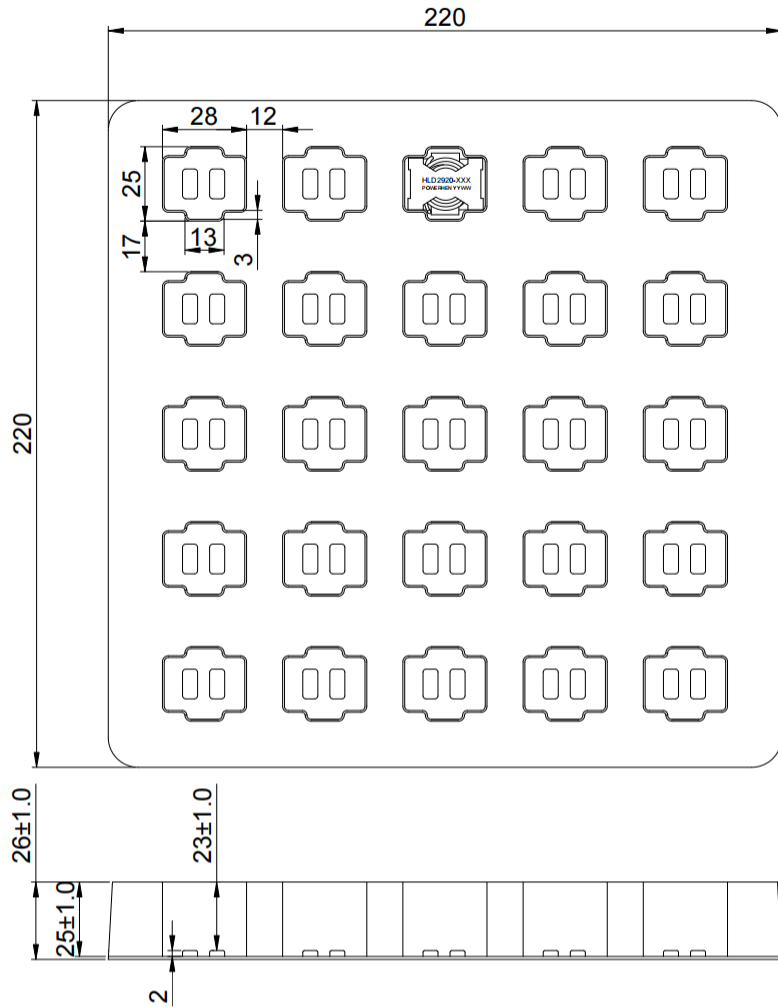


Electrical Characteristic Curve 电气特性曲线



■ Packaging Specification - tray: [mm]

包装规格 - 托盘包装: [mm]



Weight 重量: 38~39.2g/PCS  
 Packaging 包装数量: 25 PCS/盘