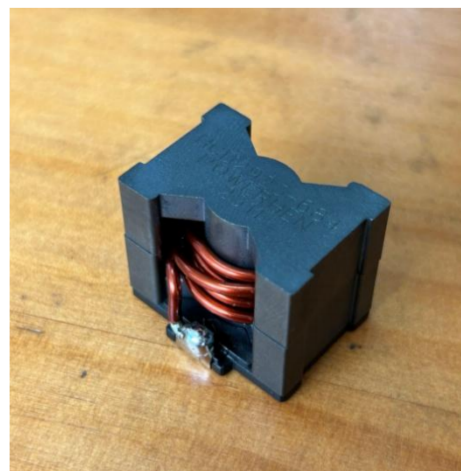


■HCD2921 Series

Features

- Susing round wire, and SMD type. 采用圆线，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

- 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 MHz	④Isat A typical			⑤Irms A typical	
		typ	max.		10% drop	20% drop	30% drop	20°Crise	40°Crise
HCD2921-333ML	33	6.9	7.6	7.1	7.5	14.8	15.4	14	20
HCD2921-473ML	47	8.8	9.68	6.7	6	12.7	13	12.2	17.5
HCD2921-683ML	68	10.3	11.33	5.7	7.2	10.2	10.6	10.1	16
HCD2921-104ML	100	22.9	25.2	4.3	5.8	9	9.4	7.2	10.5
HCD2921-153ML	150	30.6	33.65	3.2	4.1	6.9	7.2	5.5	9

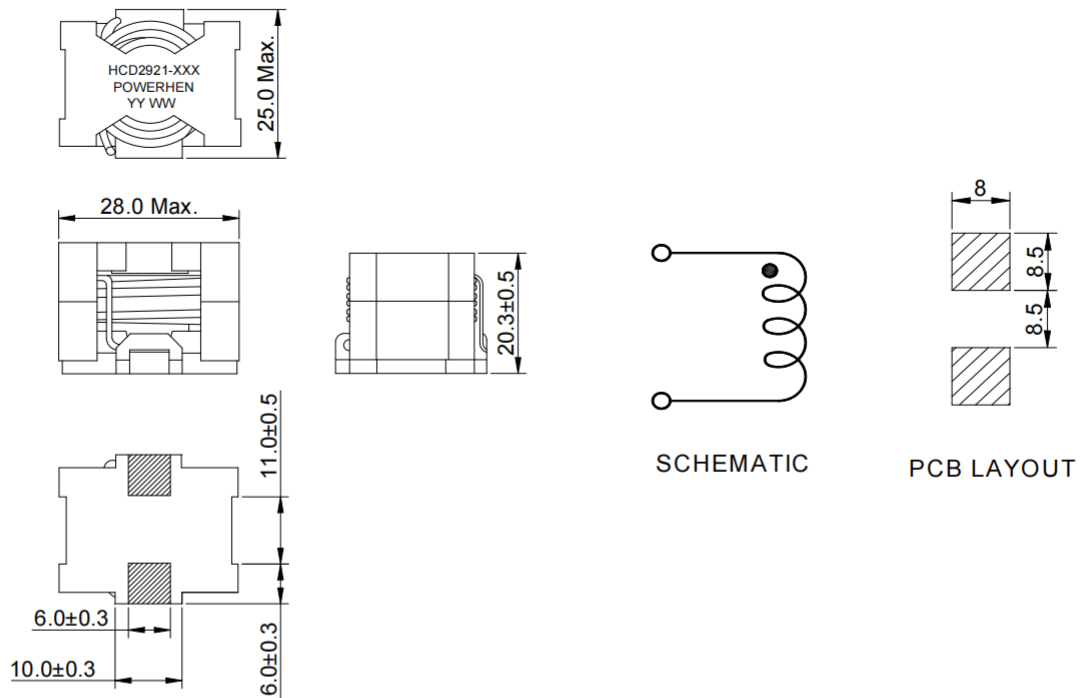
Remark

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

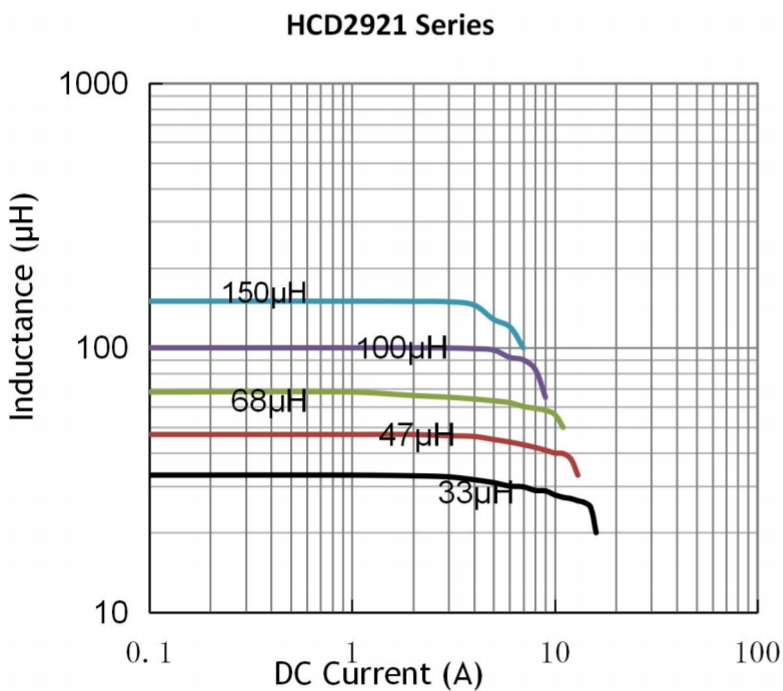
备注

- ① 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

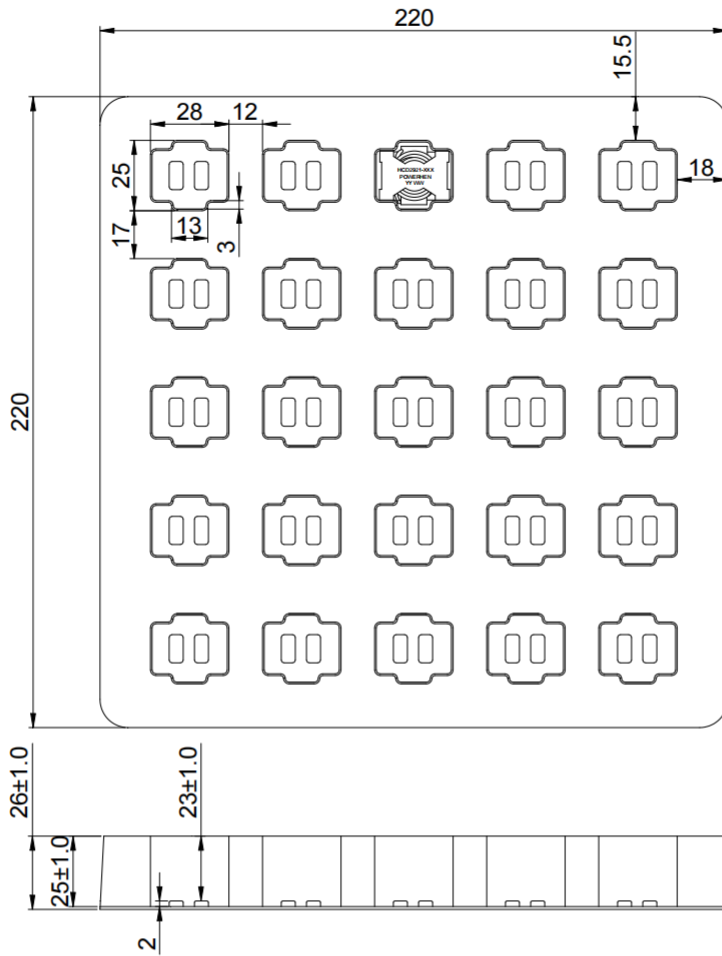


Electrical Characteristic Curve



■ 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