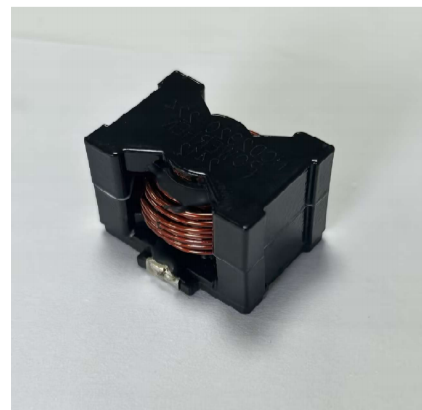


■HCD2920 Series

Features

- Suing 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			
HCD2920-223ML	22	4.97	5.4	9	7.5	20	21.7	16	24		
HCD2920-333ML	33	6.9	7.6	7.1	6	14.8	15.4	14	20		
HCD2920-473ML	47	8.8	9.68	6.7	6.5	12.7	13	12.2	17.5		
HCD2920-683ML	68	10.3	11.33	5.7	7.2	10.2	10.6	11.1	16		
HCD2920-104ML	100	22.9	25.2	4.3	7	9	9.4	7.2	10.5		
HCD2920-154ML	150	30.6	33.65	3.2	5.8	6.9	7.2	6.2	9		
HCD2920-224ML	220	36.9	40.1	2.8	4.1	4.95	5.3	5.7	8.15		
HCD2920-334ML	330	71.3	77.5	2.4	4	4.2	4.3	4	5.75		
HCD2920-474ML	470	84.6	92	1.7	3.2	3.5	3.7	3.7	5.2		
HCD2920-684ML	680	119.7	130.15	1.1	2.6	2.85	3	3.4	4.3		

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

Shenzhen Powerhen Electronic Co.,Ltd

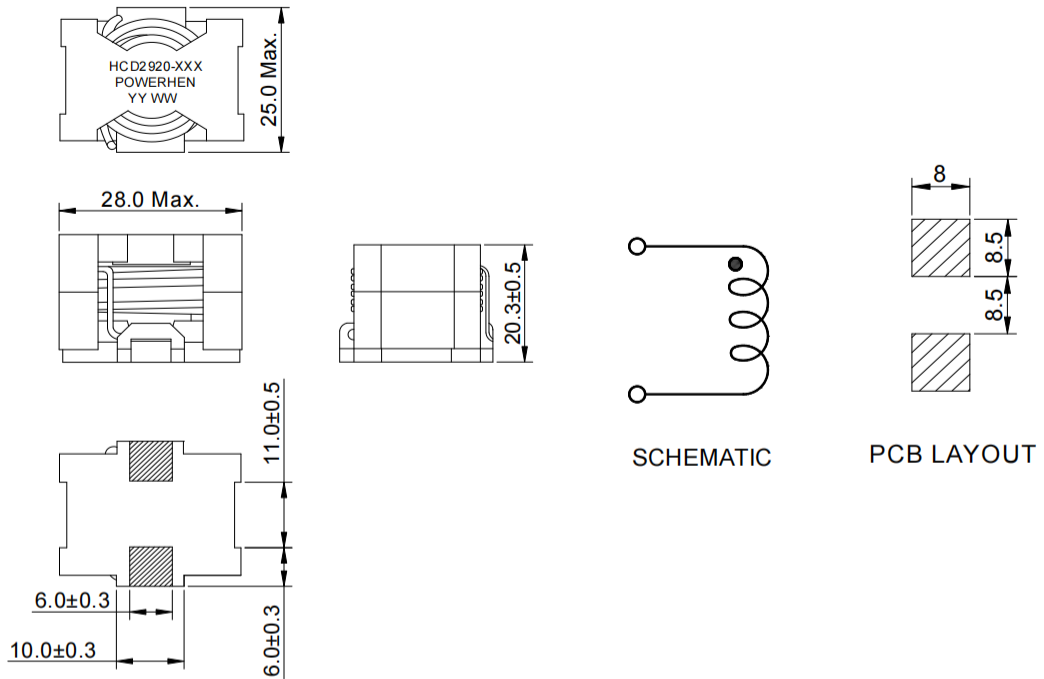
Addr: Floor 3, Building 2, Shenliang Automotive Electronic Industrial Park, Guanlan Town, Shenzhen

Tel: 0755-23570708

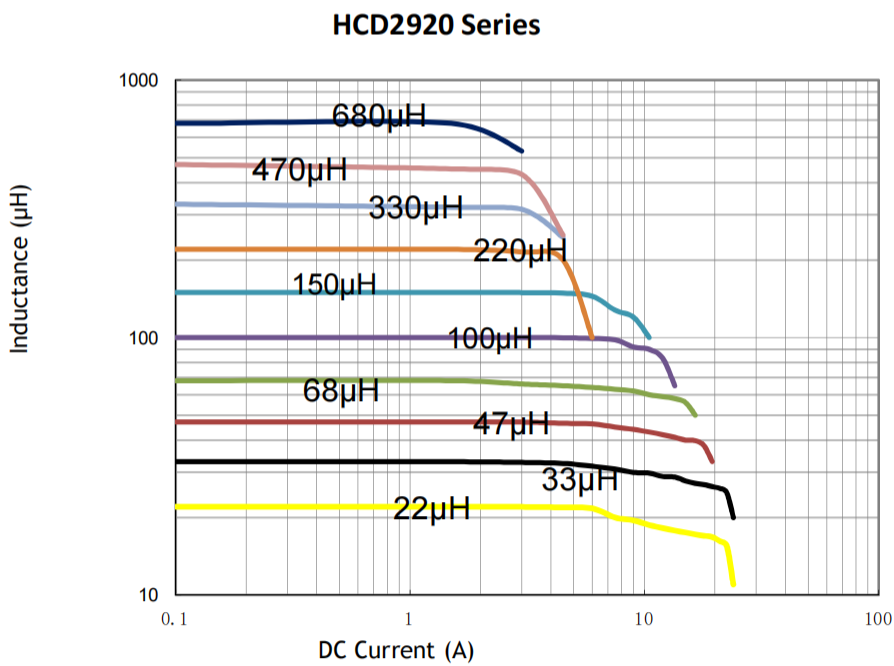
E-Mail: sales@powerhen.com

2022-7

Dimensions

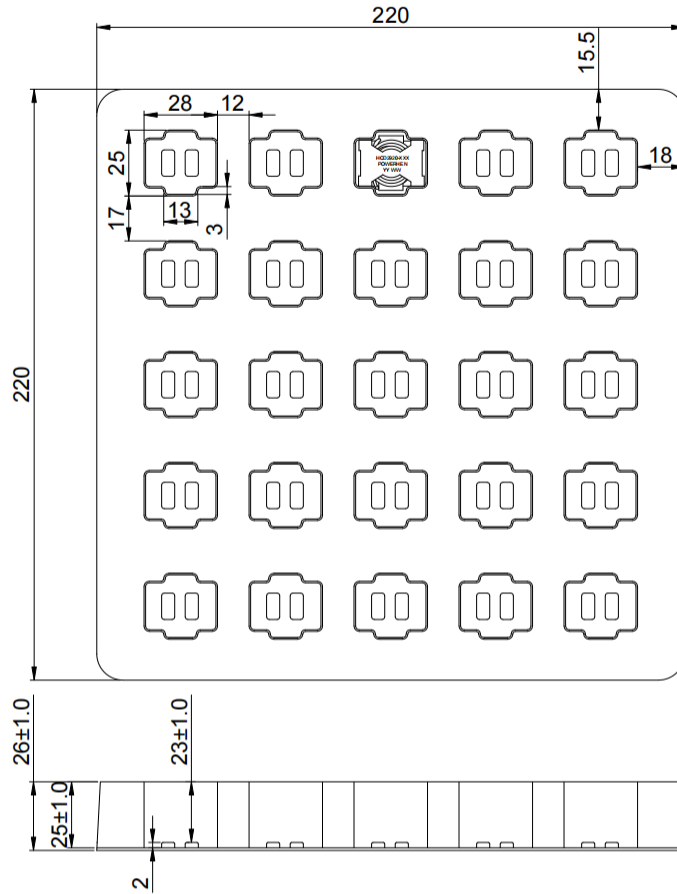


Electrical Characteristic Curve



■ 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