

Leaded Inductors for Class D

插件型数字功放电感

■ PD13/L

Features 特点

- The optimal design realizes high quality sound and low distortion.
高音质、低失真最佳设计
- Compact size using flat wire.
扁平线小尺寸封装
- 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℃



Applications 应用

- Suitable as choke for digital amp. Car audio, LCD and PDP TV, 5.1ch Home theater, etc.
适用于数字功放扼流。如汽车音响，LCD 电视和 PDP 电视，5.1 声道家庭影院等

Electrical characteristics 电气性能

Part number 料号	Inductance 电感量 $\mu\text{H} \pm 10\%$	DCR 直流电阻 $\text{m}\Omega$		Isat 直流饱和电流 A (typical)			Irms 温升电流 A (typical)	
		typ	max	10%drop	20%drop	30%drop	20℃rise	40℃rise
PD13-472KL	4.7	4.5	5.4	15.5	16.8	17.2	8	11.9
PD13L-103KL	10	4.5	5.4	5.9	6.5	6.9	8	11.9
PD13-103KL	10	8.4	10.5	9.8	11	11.3	6	9.5

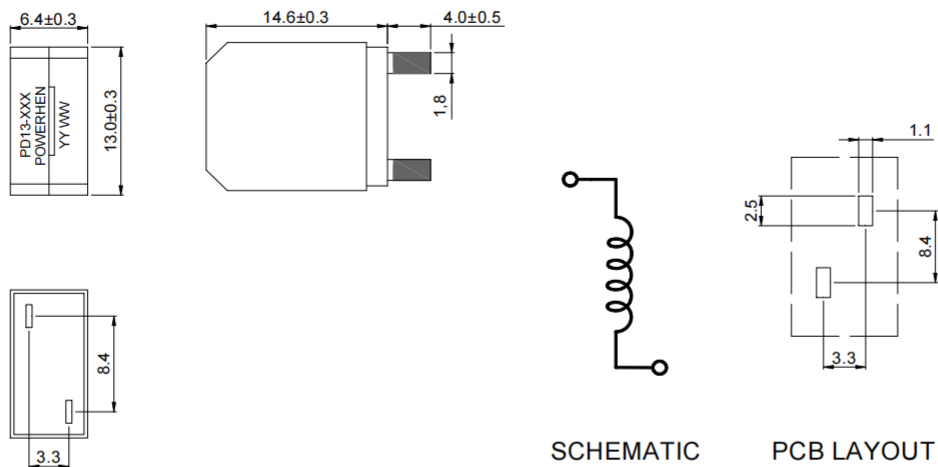
Remark

- 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℃
- ③ SRF measured using an Agilent 4395A network analyzer and an Agilent 16193A test fixture.
- ④ DC current at 25℃ that causes the specified Inductance drop from its value without current.
- ⑤ Current that causes the specified temperature rise from 25℃ ambient. This information is for reference only and does not represent absolute maximum ratings.
- ⑥ Electrical specifications at 25℃

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 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℃
- 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℃，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℃ 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℃ 时的电气规格

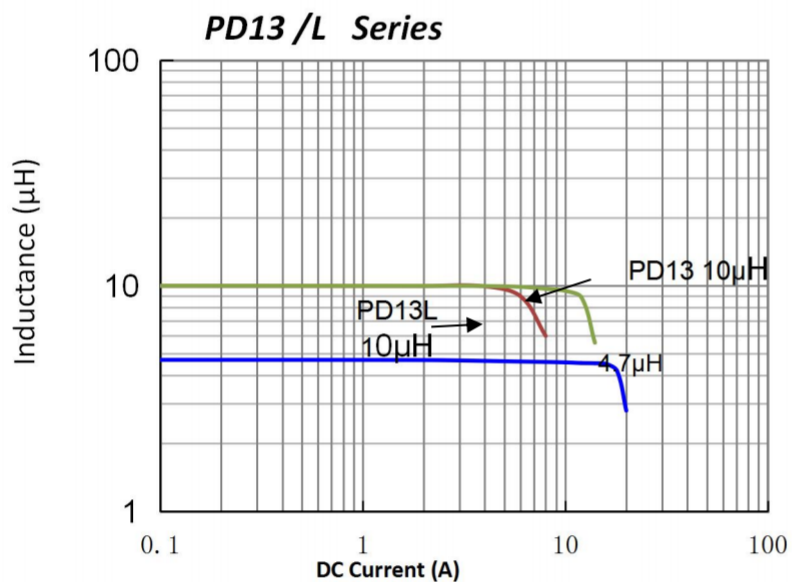
Dimensions 结构尺寸



SCHEMATIC

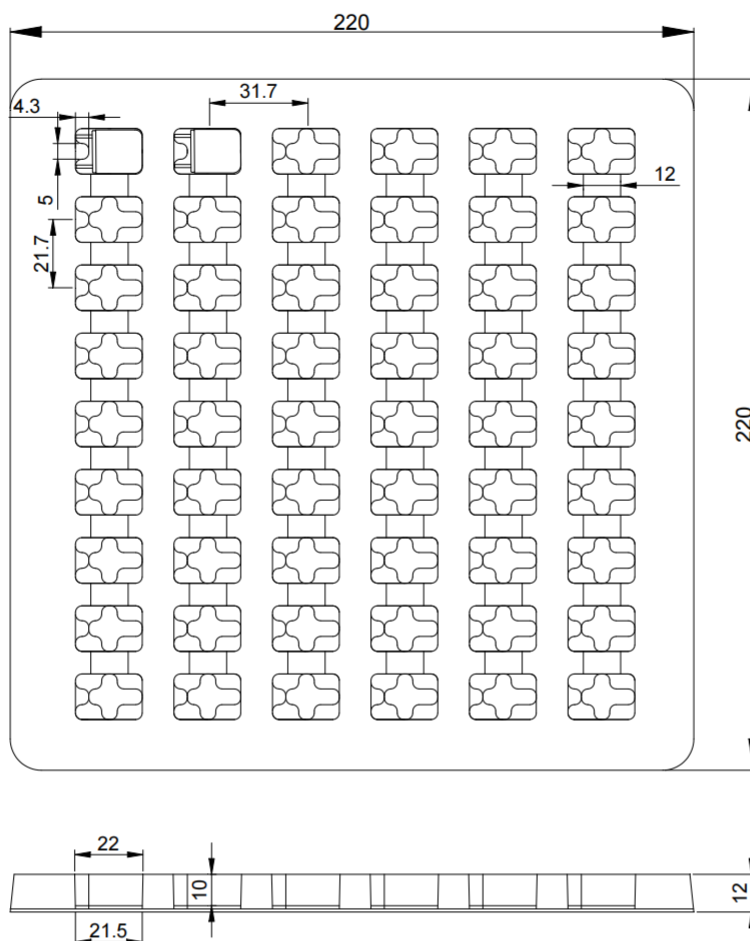
PCB LAYOUT

Electrical Characteristic Curve



■ Packaging Specification - tray: [mm]

包装规格 - 托盘包装: [mm]



Weight 重量: 13.2~13.35g/PCS
Packaging 包装数量: 54 PCS/盘