

Leaded Inductors for Class D

插件型数字功放电感

■PD14AC Series

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
- Small compact, and DIP type.
小体积，直插类型
- 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℃~+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 电气特性

Part number 料号	Inductance ①	DCR ②		SRF ③	Isat ④			Irms ⑤			
	电感量	直流电阻 mΩ		自谐频率	直流饱和电流			温升电流			
	μH ±10%	typ	max.	MHz	A typical	typical	10% drop	20% drop	30% drop	20°C rise	40°C rise
PD14AC-502KL	5	4.9	5.4	18	20.5	22	22.8	5.8	7.5		
PD14AC-103KL	10	9.7	10.7	13	15.2	15.8	16.3	4.7	6.0		
PD14ACL-103KL	10	4.9	5.4	10	9.65	10.5	10.9	5.8	7.5		

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°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

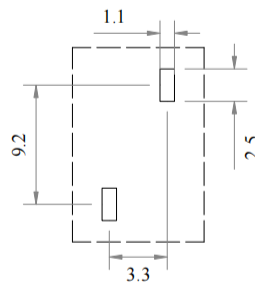
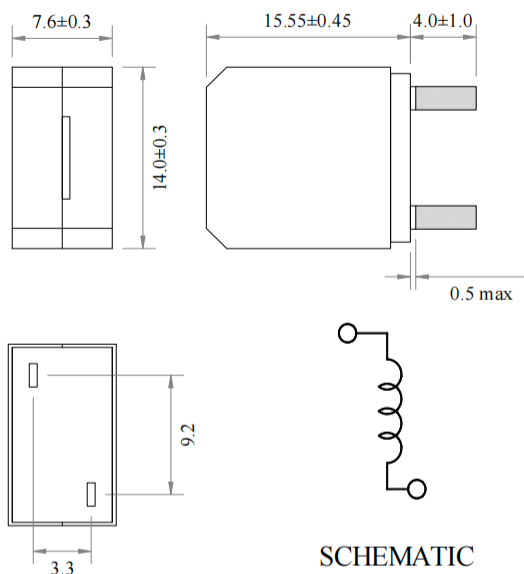
备注

- ① 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° 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

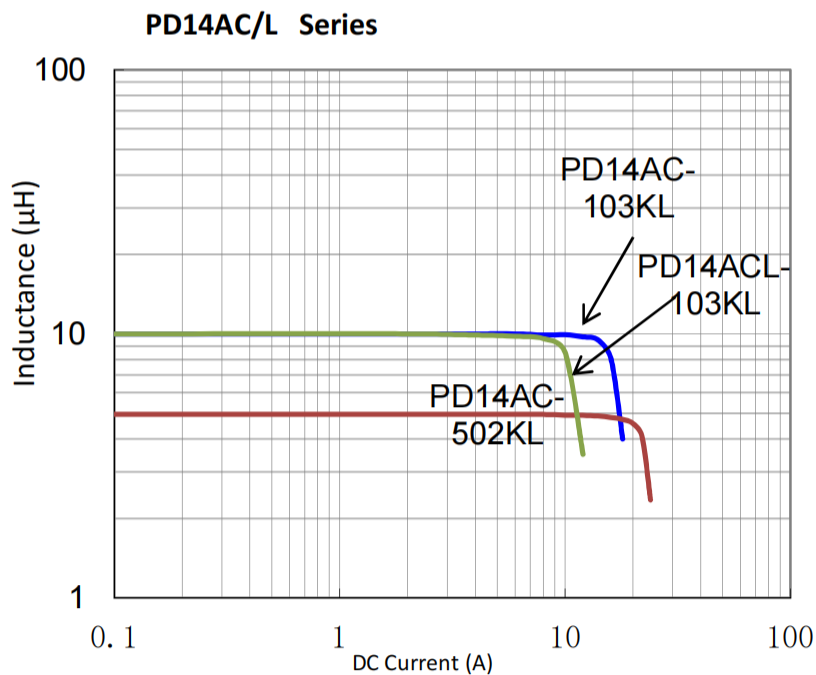
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Dimensions 结构尺寸



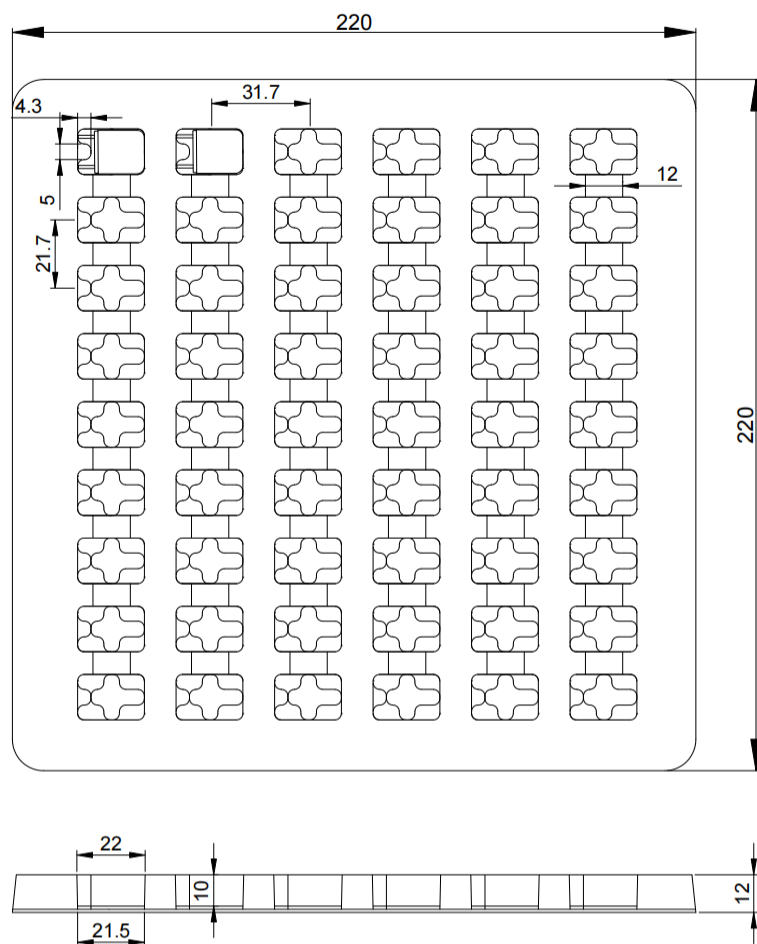
PCB LAYOUT

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: 6.89g/PCS
Packaging 包装数量: 54PCS/盘