芯芒微电子

XINMANG MICROELECTRONICS

POWERHEN

Electronics

产品规格书

PD14A

D 类功放电感

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样品申请 · 替代选型 · 批量报价，欢迎来函来电

Leaded Inductors for Class D　　插件型数字功放电感

■PD14A 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 电感量 μH±10%	DCR ② 直流电阻 mΩ typ	DCR ② 直流电阻 mΩ max.	SRF ③ 自谐频率 MHz typical	Isat ④ 直流饱和电流 A typica 10% drop	Isat ④ 直流饱和电流 A typica 20% drop	Isat ④ 直流饱和电流 A typica 30% drop	Irms ⑤ 温升电流 A typical 20℃ rise	Irms ⑤ 温升电流 A typical 40℃ rise
PD14A-103KE	10	7.5	8.3	18	14.5	15.5	15.9	5.7	7.4
PD14A-153KE	15	6.9	7.8	12	12	12.8	13.1	5.8	7.5
PD14A-223KE	22	8.3	9.5	8	7.2	7.85	8.1	5.6	7.2
PD14A-273KE	27	13.2	14.5	6	7.1	7.7	7.9	4.7	6.0
PD14A-333KE	33	14.1	15.8	5	6.6	7.1	7.3	4.5	5.7

Remark

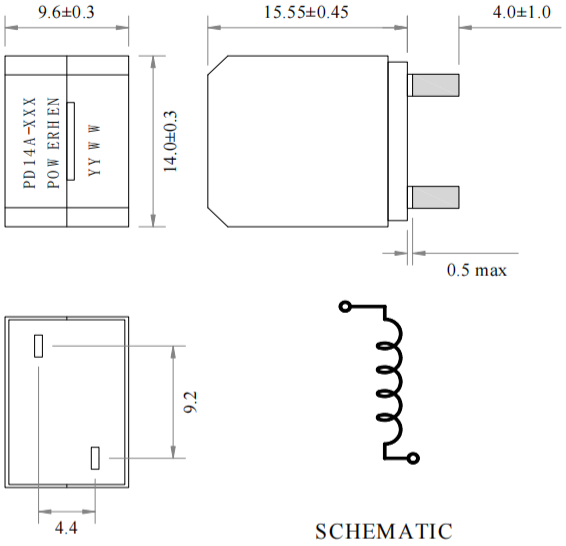
①Inductance is measured with a LCR meter Agilent 4284A or equivalent.
Test frequency at 100kHz
②DC resistance is measured with keithley 580 Milliohm Meter , or equivalent.
Reference ambient temperature 25°C
③SRF measured using an Agilent 4395A network analyzer and an Agilent 16193A test fixture.
④DC 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

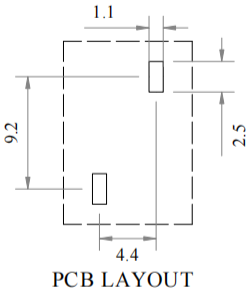
备注

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
③SRF 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。
⑥25° C 时的电气规格

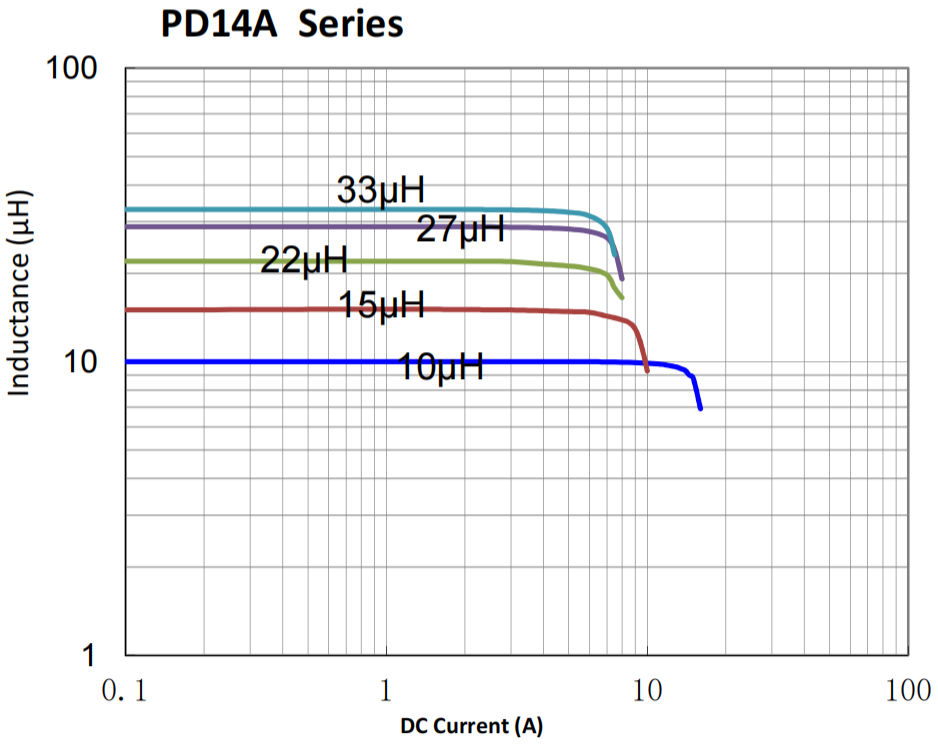
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Dimensions 结构尺寸





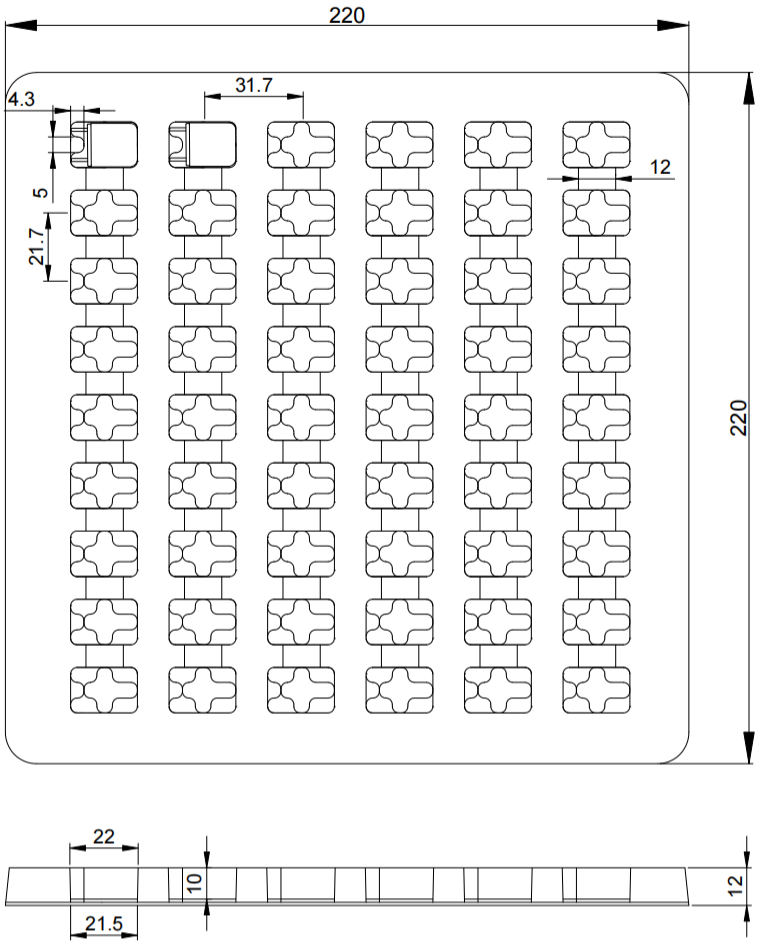
Electrical Characteristic Curve 电气特性曲线



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■Packaging Specification - tray: [mm]

包装规格 – 托盘包装：[mm]



Weight 重量: 8.6~8.9g/PCS

Packaging 包装数量: 54 PCS/盘

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