芯芒微电子

XINMANG MICROELECTRONICS

POWERHEN

Electronics

产品规格书

PD14ACM

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

■PD14ACM 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
PD14ACM-103KE	10	9.7	11	10	9.65	10.5	10.9	5.8	7.5

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。

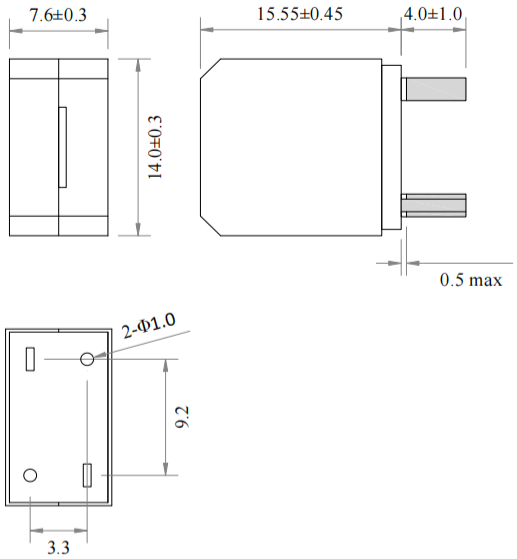
④直流电流在 25° C，加载导致指定电感从没有电流的值下降。

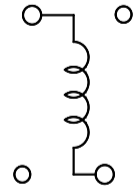
⑤导致指定温度从 25° C 环境温度上升的电流。 此信息仅供参考，不代表绝对最大额定值。

⑥25° C 时的电气规格

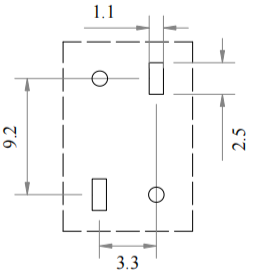
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Dimensions 结构尺寸





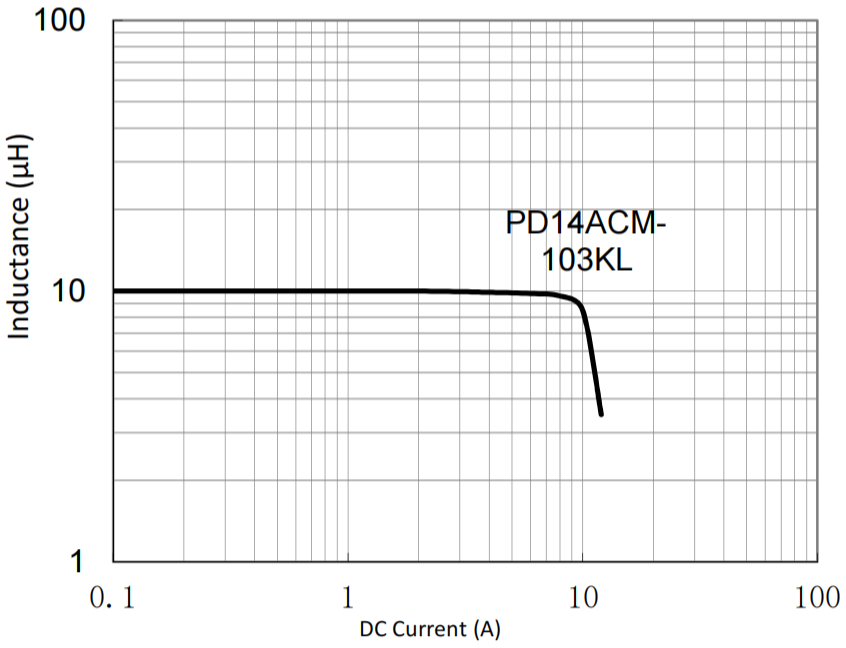
SCHEMATIC



PCB LAYOUT

Electrical Characteristic Curve 电气特性曲线

PD14ACM Series

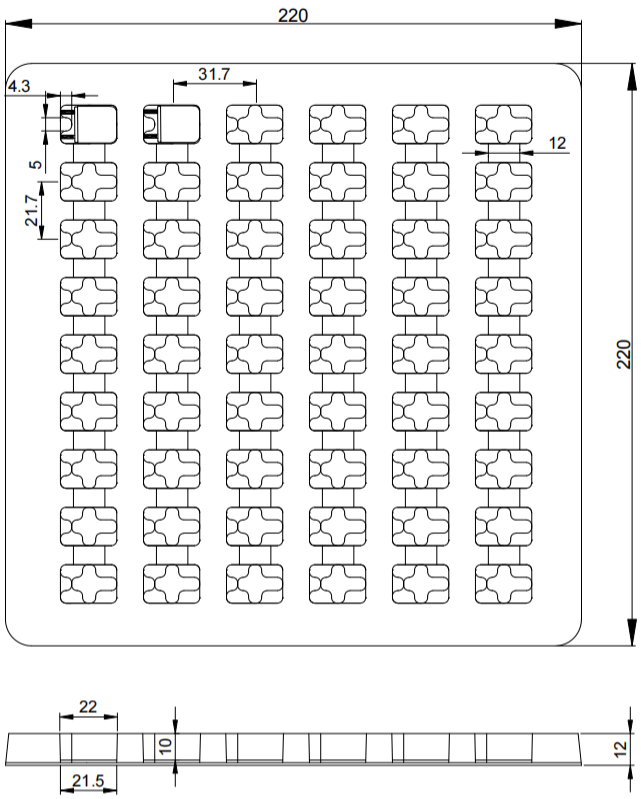


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■Packaging Specification - tray: [mm]

包装规格 – 托盘包装：[mm]



Weight 重量: 6.89g/PCS

Packaging 包装数量: 54PCS/盘

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