芯芒微电子

XINMANG MICROELECTRONICS

POWERHEN

Electronics

产品规格书

PD14B

D 类功放电感

联系我们 / CONTACT

电话：0755-28088656

手机 / 微信：13823685284

地址：深圳市龙华新区观澜深粮汽车电子特色工业园A2栋3楼

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

■PD14B Series

Features 特点



- Space reduction is realized by 2 in 1 construction.
  二合一结构缩小空间
- The optimal design realizes high quality sound and low distortion.
  高音质、低失真最佳设计
- 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
PD14B-103KE	10	9.9	11	20	11	11.8	12.4	5.8	7.5
PD14B-153KE	15	14.0	16.5	14	8.2	8.5	9.0	4.7	6.0
PD14B-223KE	22	15.5	18	11	6.3	6.6	6.9	4.5	5.7
PD14B-333KE	33	19.2	22	7	5	5.2	5.5	3.4	4.8

Remark

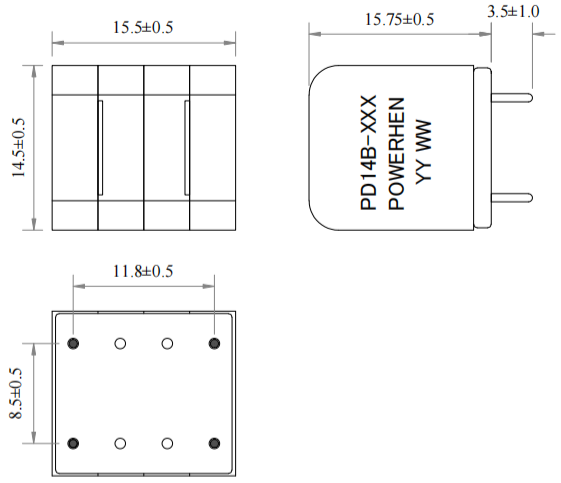
①Inductance is measured with a LCR meter Agilent 4284A or equivalent.
Test frequency at 100kHz
②DC resistance is measured with keithley 580 Milliohm Meter , or equivalent.
Reference ambient temperature 25°C
③SRF measured using an Agilent 4395A network analyzer and an Agilent 16193A test fixture.
④DC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

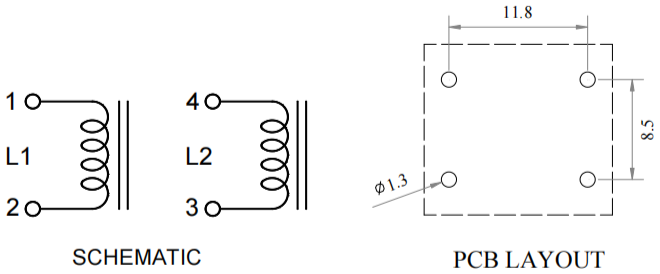
备注

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

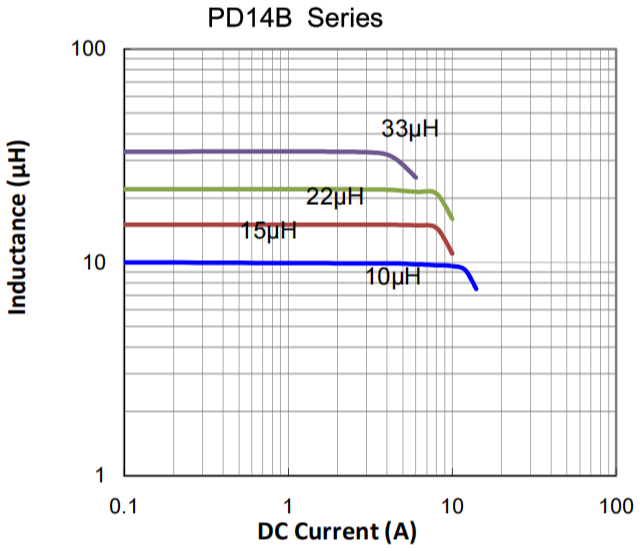
ShenZhen Powerhen Electronic Co.,Ltd
Addr:Floor 3, Building 2, Shenliang Automotive Electronic Industrial Park, Guanlan Town, Shenzhen
Tel:0755-23570708　　E-Mail:sales@powerhen.com

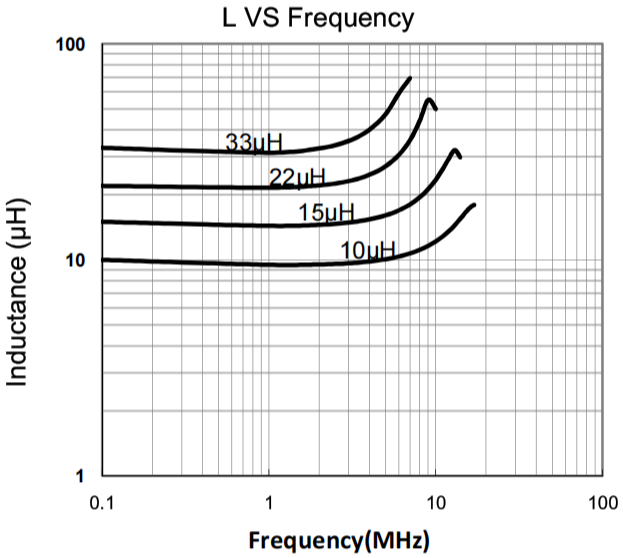
Dimensions 结构尺寸

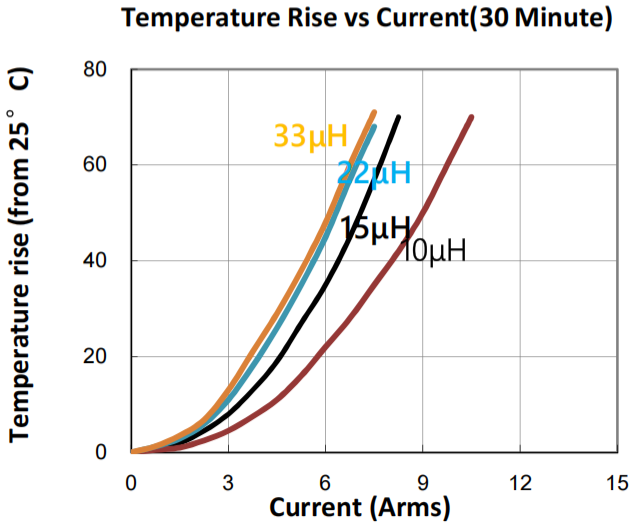




Electrical Characteristic Curve 电气特性曲线





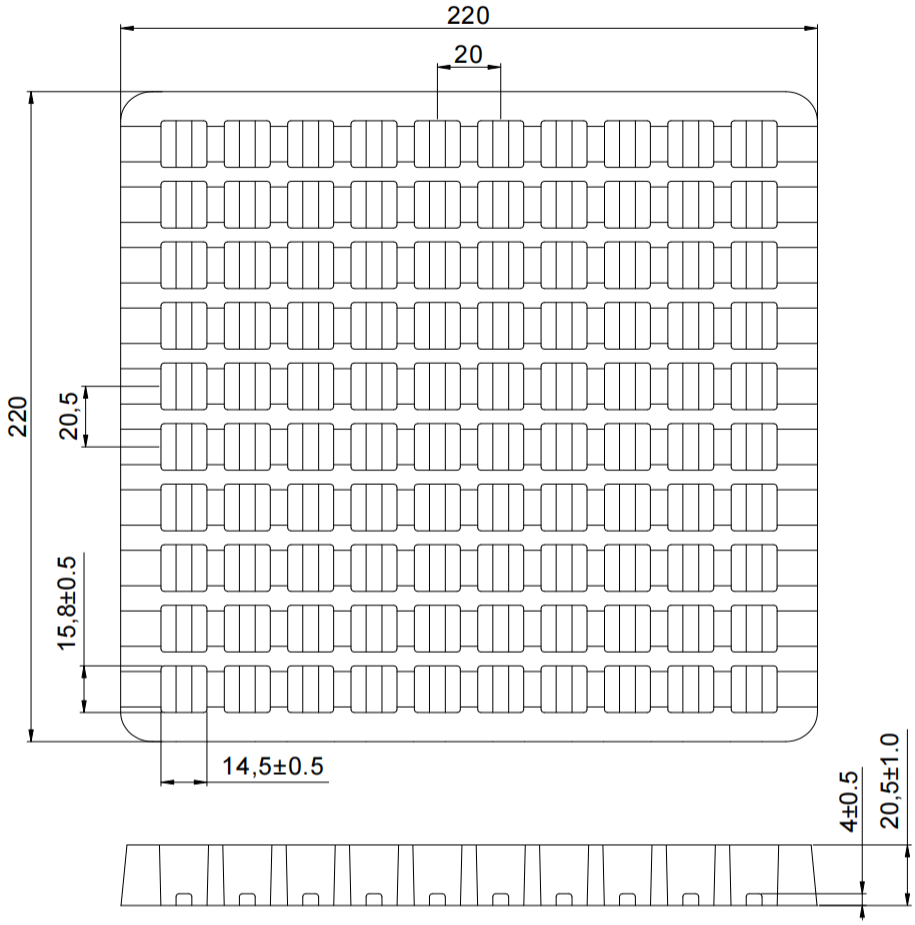


ShenZhen Powerhen Electronic Co.,Ltd

Addr:Floor 3, Building 2, Shenliang Automotive Electronic Industrial Park, Guanlan Town, Shenzhen
Tel:0755-23570708 E-Mail:sales@powerhen.com

■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:100 PCS/盘

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