

## Leaded Inductors for Class D

## 插件型数字功放电感

## ■ PD17A 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, and DIP type.  
扁平线小尺寸封装，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<br>料号 | Inductance ①<br>电感量<br>μH±10% | DCR ②<br>直流电阻 mΩ<br>typ max. |      | SRF ③<br>自谐频率<br>MHz |          | Isat ④<br>直流饱和电流<br>A typical |          |  | Irms ⑤<br>温升电流<br>A typical |           |
|-------------------|-------------------------------|------------------------------|------|----------------------|----------|-------------------------------|----------|--|-----------------------------|-----------|
|                   |                               |                              |      |                      |          |                               |          |  |                             |           |
|                   |                               |                              |      | typical              | 10% drop | 20% drop                      | 30% drop |  | 20°C rise                   | 40°C rise |
| PD17A-103KE       | 10                            | 9.4                          | 10.3 | 19                   | 28.9     | 29.8                          | 31.3     |  | 6.8                         | 8.5       |
| PD17A-153KE       | 15                            | 9.4                          | 10.3 | 14                   | 17       | 17.9                          | 18.3     |  | 6.8                         | 8.5       |
| PD17A-223KE       | 22                            | 9.4                          | 10.3 | 11                   | 14       | 15                            | 16       |  | 6.8                         | 8.5       |
| PD17A-333KE       | 33                            | 9.4                          | 10.3 | 7                    | 9.1      | 9.7                           | 10.2     |  | 6.8                         | 8.5       |

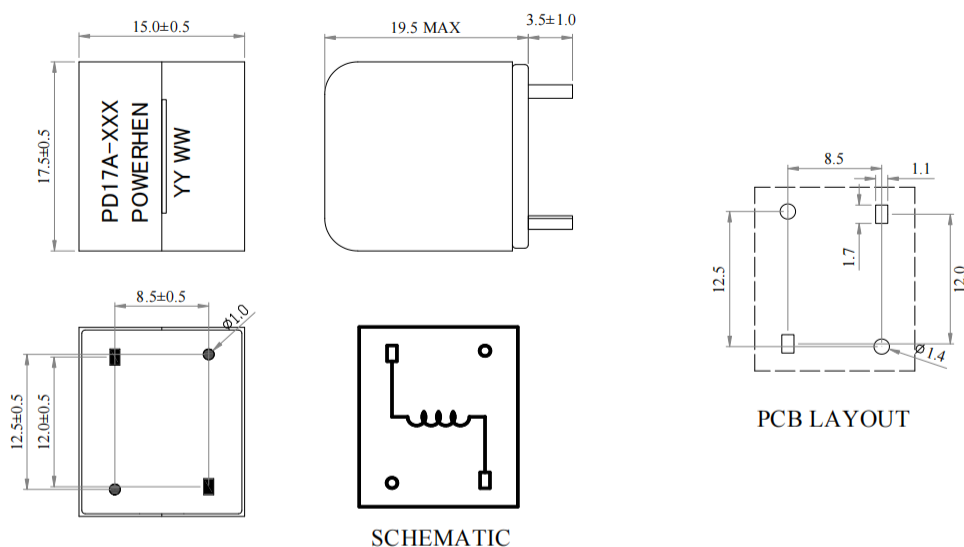
## Remark

- 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

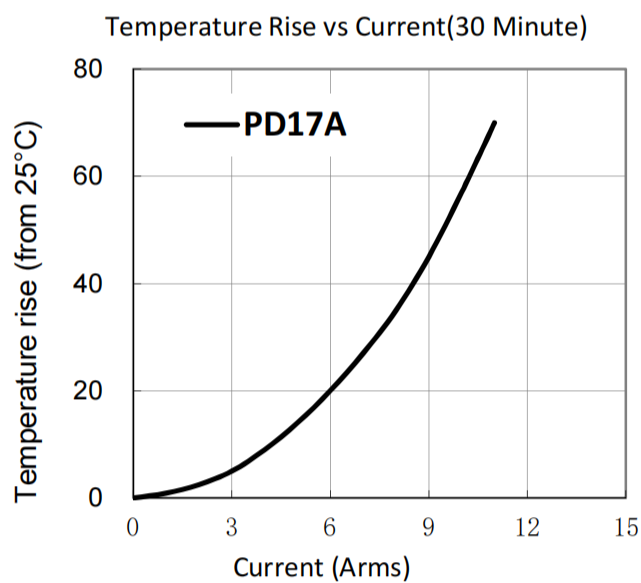
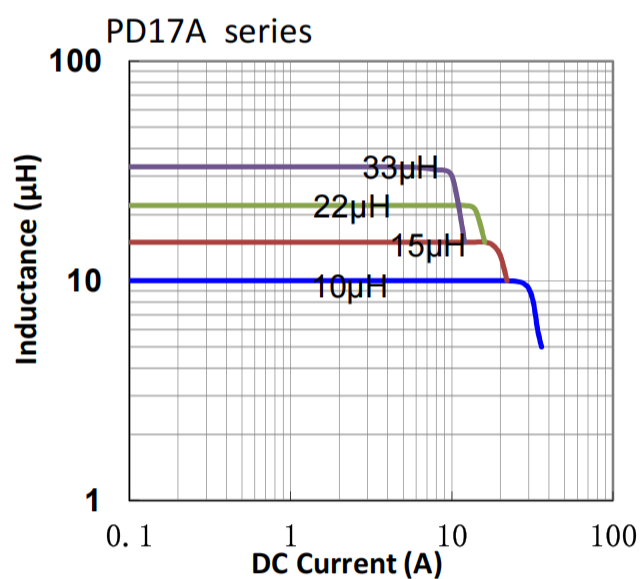
## 备注

- 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

## Dimensions 结构尺寸

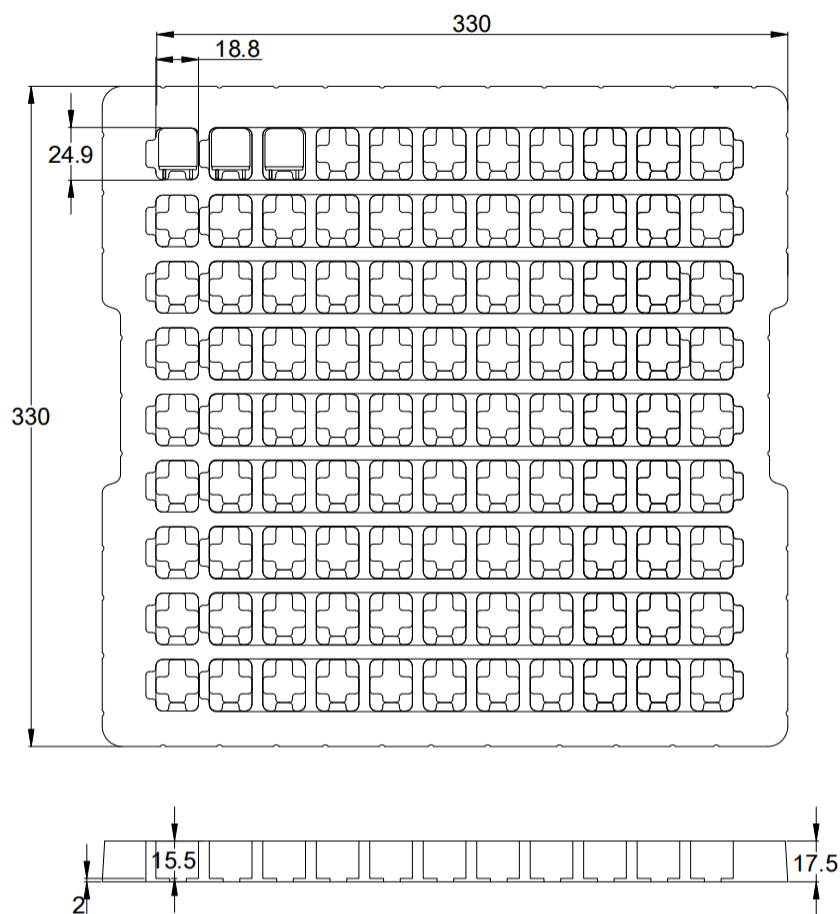


## Electrical Characteristic Curve 电气特性曲线



■ Packaging Specification - tray: [mm]

包装规格 - 托盘包装: [mm]



Weight 重量: 19.4~19.65g/PCS  
 Packaging 包装数量: 108 PCS/盘