

Leaded Inductors for Class D

插件型数字功放电感

■ PD23 Series

Features 特点

- 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°C~+125°C.
工作温度：-40°C~+125°C



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 电气性能

Part number 料号	Inductance 电感量 $\mu\text{H} \pm 10\%$	DCR 直流电阻 $\text{m}\Omega$		SRF 自谐频率 MHz typical	Isat 饱和电流 A typical			Irms 温升电流 A typical	
		typ	max.		10% drop	20% drop	30% drop	20°C rise	40°C rise
PD23 -103KL	10	7.85	9.0	18	44	45	46.9	7.5	10.0
PD23 -153KL	15	7.85	9.0	15	28.0	31.0	33.0	7.5	10.0
PD23 -223KL	22	7.85	9.0	12	20.5	22.3	23.8	7.5	10.0
PD23-273KL	27	7.85	9.0	10	15.8	17.7	18.5	7.5	10.0
PD23 -333KL	33	7.85	9.0	8	10.0	12.5	13.5	7.5	10.0

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 DC current at 25°C that causes the specified Inductance drop from its value without current.
- ④ Current that causes the specified temperature rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
- ⑤ 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 直流电流在 25°C，加载导致指定电感从没有电流的值下降。
- ④ 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。
- ⑤ 25°C 时的电气规格

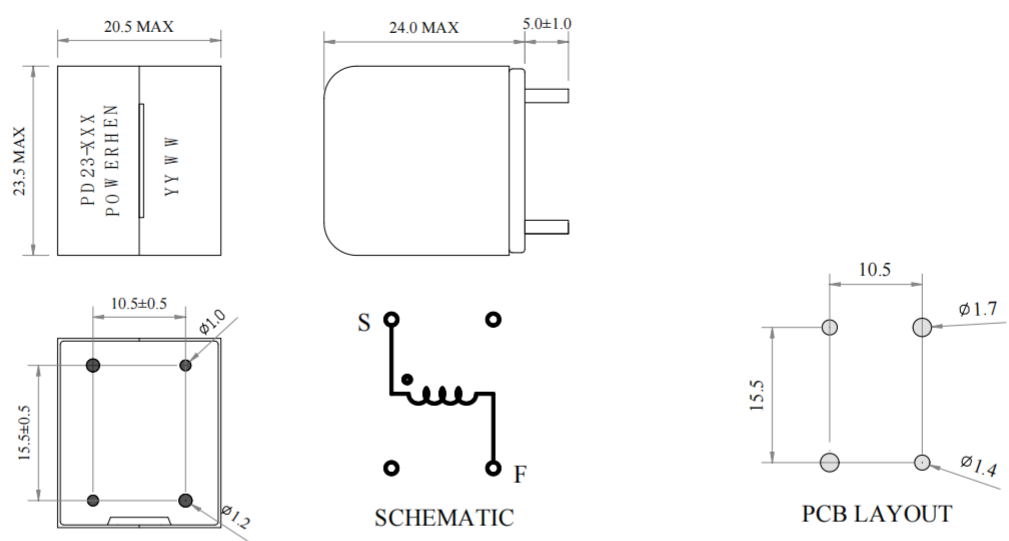
Shenzhen Powerhen Electronic Co., Ltd

Addr: Floor 3, Building 2, Shenliang Automotive Electronic Industrial Park, Guanlan Town, Shenzhen

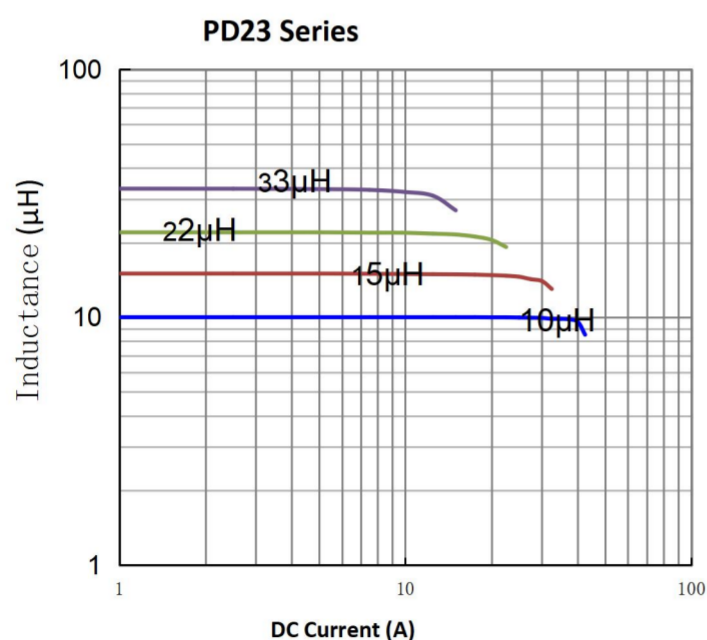
Tel: 0755-23570708

E-Mail: sales@powerhen.com

Dimensions 结构尺寸

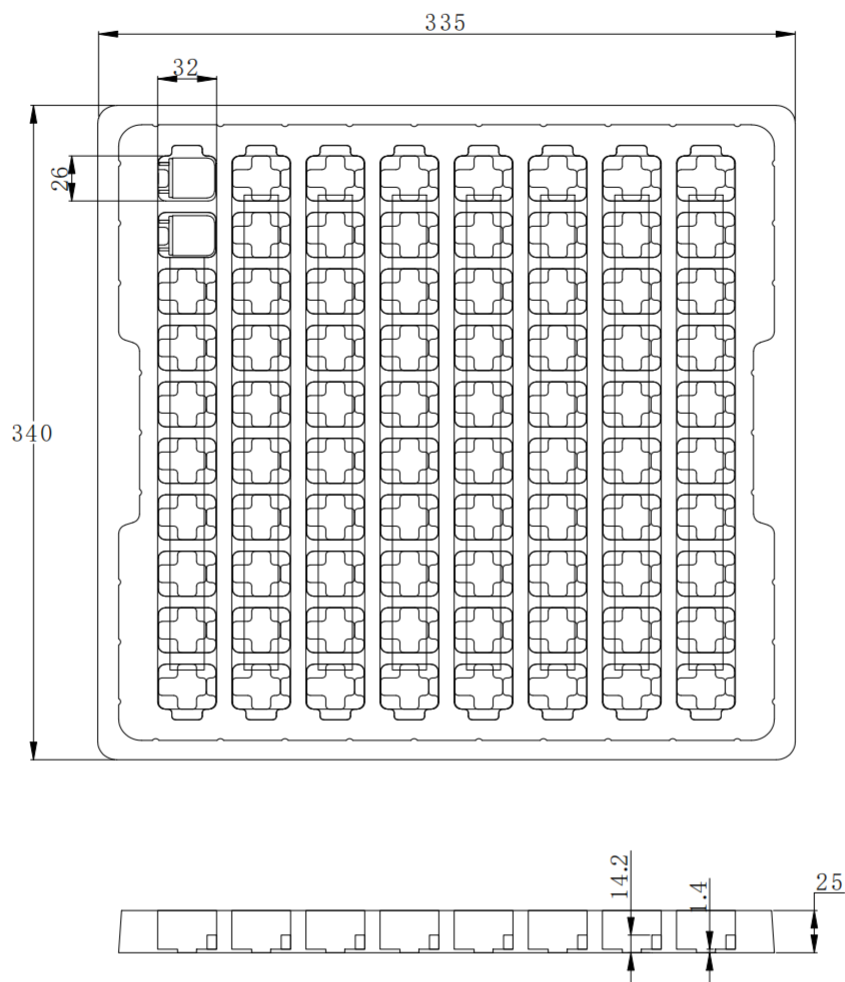


Electrical Characteristic Curve 电气性能曲线



■ Packaging Specification - tray: [mm]

包装规格 - 托盘包装: [mm]



Weight 重量: 36.1~38.2g/PCS
Packaging 包装数量: 80 PCS/盘