

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℃~+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		Isat 饱和电流 A typical			Irms 温升电流 A typical	
		typ	max.	typical	10% drop	20% drop	30% drop	20℃ rise	40℃ rise	
PD23 -103KE	10	7.85	9.0	18	44	45	46.9	7.5	10.0	
PD23 -153KE	15	7.85	9.0	15	28.0	31.0	33.0	7.5	10.0	
PD23 -223KE	22	7.85	9.0	12	20.5	22.3	23.8	7.5	10.0	
PD23-273KE	27	7.85	9.0	10	15.8	17.7	18.5	7.5	10.0	
PD23 -333KE	33	7.85	9.0	8	10.0	12.5	13.5	7.5	10.0	

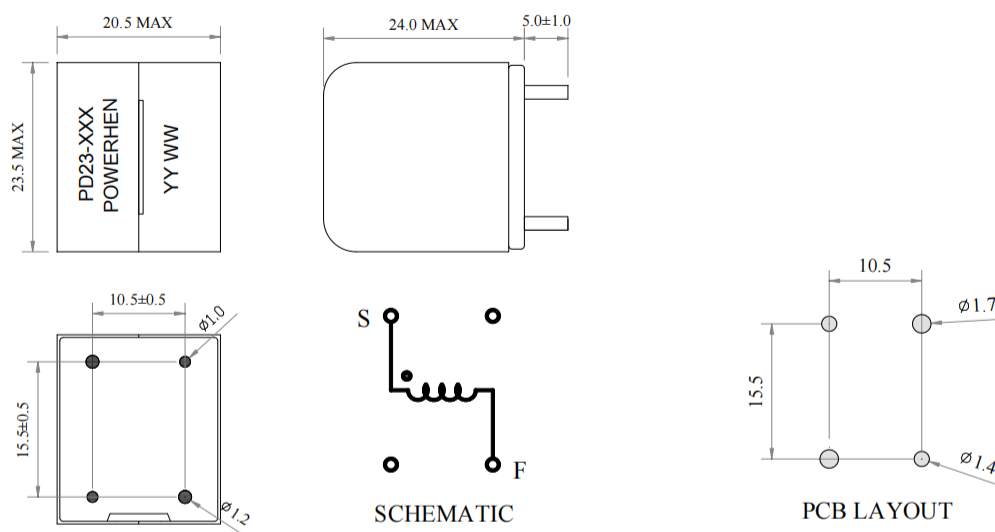
Remark

- 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

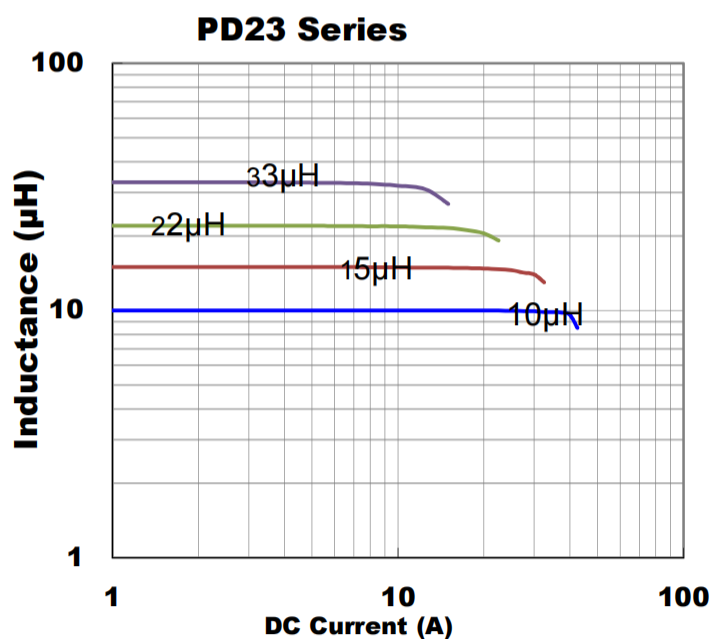
备注

- 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

Dimensions 结构尺寸

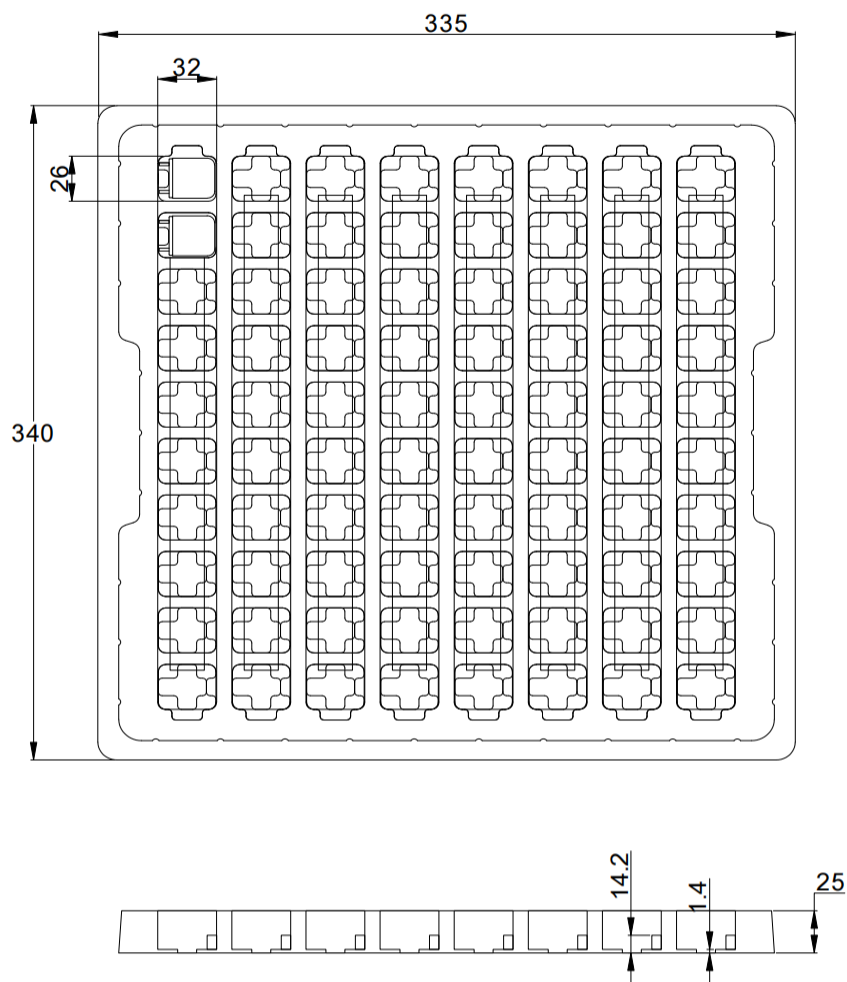


Electrical Characteristic Curve 电气性能曲线



■ 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