芯芒微电子

XINMANG MICROELECTRONICS

POWERHEN

Electronics

产品规格书

PD23B

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

■PD23B 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 电气特性

Part number 料号	Inductance 电感量 μH±10%	DCR 直流电阻 mΩ typ	DCR 直流电阻 mΩ max.	SRF 自谐频率 MHz typical	Isat 饱和电流 A typical 10% drop	Isat 饱和电流 A typical 20% drop	Isat 饱和电流 A typical 30% drop	Irms 温升电流 A typical 20℃ rise	Irms 温升电流 A typical 40℃rise
PD23B-103KE	10	6.7	8.3	15	37.4	39.5	40.2	7.5	9.1
PD23B-123KE	12	6.7	8.3	14	32	34	34.6	7.5	9.1
PD23B-153KE	15	7.3	9.1	13	28.5	30.2	31.2	8.0	8.7
PD23B-183KE	18	6.7	8.3	10	21	23.8	26	7.5	9.1
PD23B-223KE	22	7.3	9.1	9	19	22	23.1	8.0	8.7

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

③DC current at 25°C that causes the specified Inductance drop from its value without current.

④Current that causes the specified temperature rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.

⑤Electrical 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

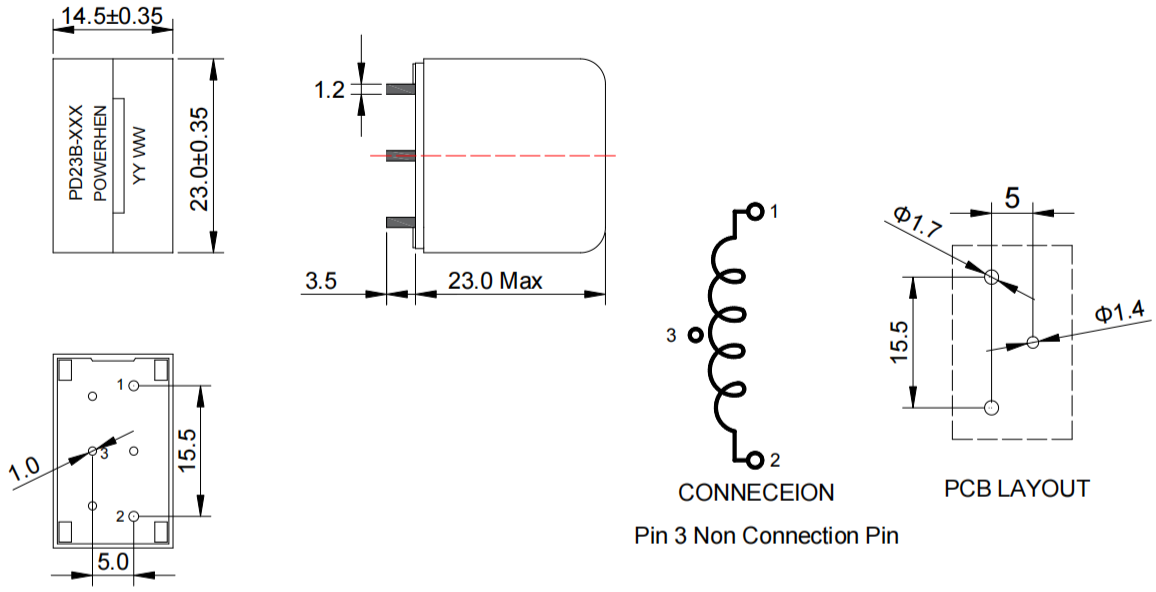
③直流电流在 25° C，加载导致指定电感从没有电流的值下降。

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。

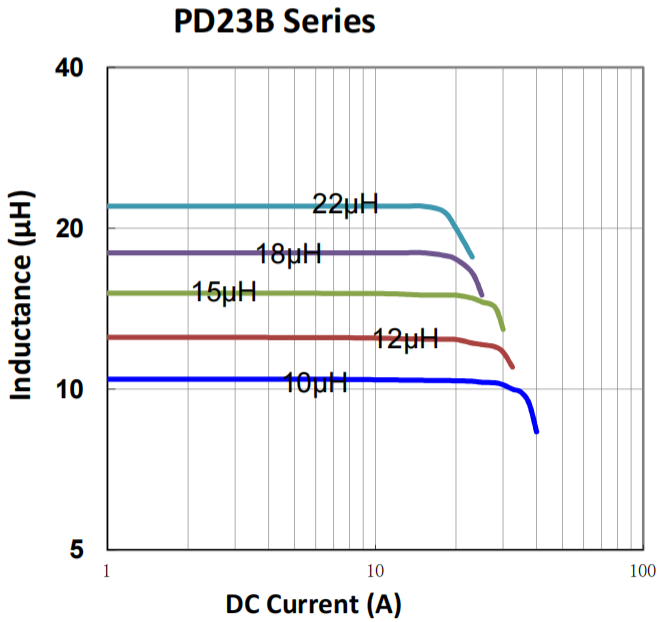
⑤25° C 时的电气规格

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Dimensions 结构尺寸



Electrical Characteristic Curve 电气性能曲线

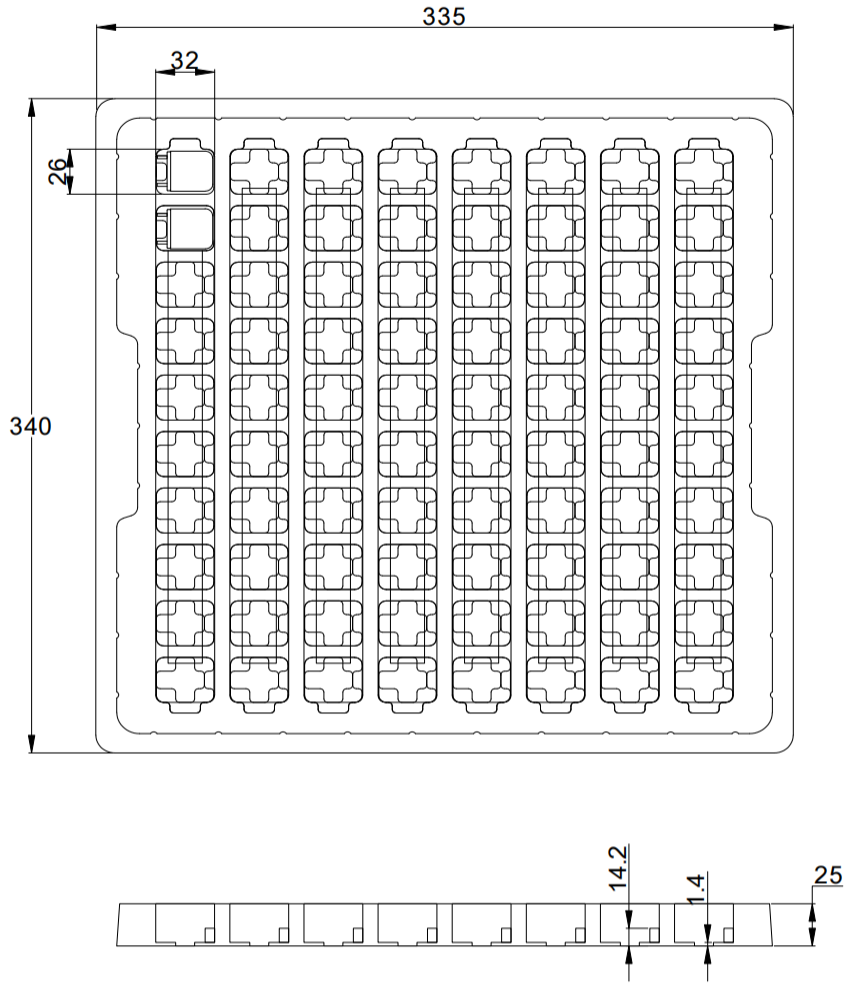


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■Packaging Specification - tray: [mm]

包装规格 – 托盘包装：[mm]



Weight 重量: 28.3~29.15g/PCS

Packaging 包装数量: 80 PCS/盘

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