芯芒微电子

XINMANG MICROELECTRONICS

POWERHEN

Electronics

产品规格书

PD09

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

SMD POWER INDUCTORS FOR DIGITAL AMPLIFIER 贴片数字功放电感

■PD09 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
- Compact size using flat wire, and SMD type.
  扁平线小尺寸封装，贴片类型
- 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.	SRF③ 自谐频率 MHz reference	Isat ④ 饱和电流 A typical 10% drop	Isat ④ 饱和电流 A typical 20% drop	Isat ④ 饱和电流 A typical 30% drop	Irms ⑤ 温升电流 A max 20℃ rise	Irms ⑤ 温升电流 A max 40℃ rise
PD09-332KL	3.3	9.6	11	45	11.8	12.8	13.2	5.1	8.5
PD09-472KL	4.7	11.2	15	40	8.2	8.8	9.1	4.4	6.2
PD09-822KL	8.2	13.5	20	31	6.2	6.8	7.1	4	5.6
PD09-103KL	10	15.1	22	25	5.9	6.4	6.6	3.9	5.2
PD09-123KL	12	16	25	26	5.5	5.8	6.1	3.4	4.9
PD09-153KL	15	34.6	44	22.5	5.4	5.6	5.7	2.8	3.8
PD09-223KL	22	45.8	52	18	3.8	4	4.1	2.5	3.6

Remark

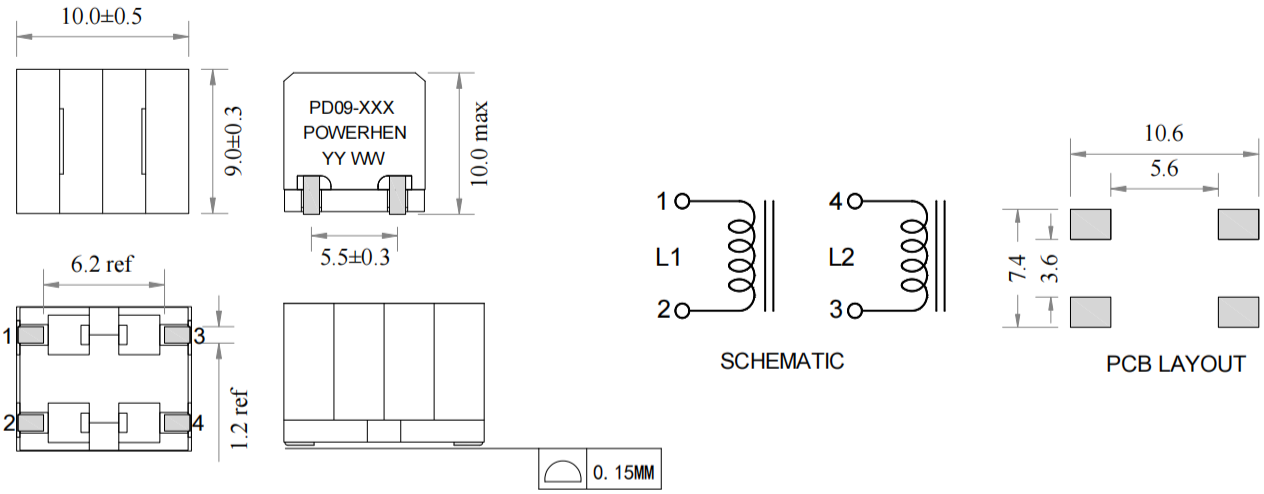
①Inductance is measured with a LCR meter Agilent 4284A or equivalent.
Test frequency at 100kHz
②DC resistance is measured with keithley 580 Milliohm Meter , or equivalent.
Reference ambient temperature 25°C
③SRF measured using an Agilent 4395A network analyzer and an Agilent 16093A test fixture.
④DC 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 16093A 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

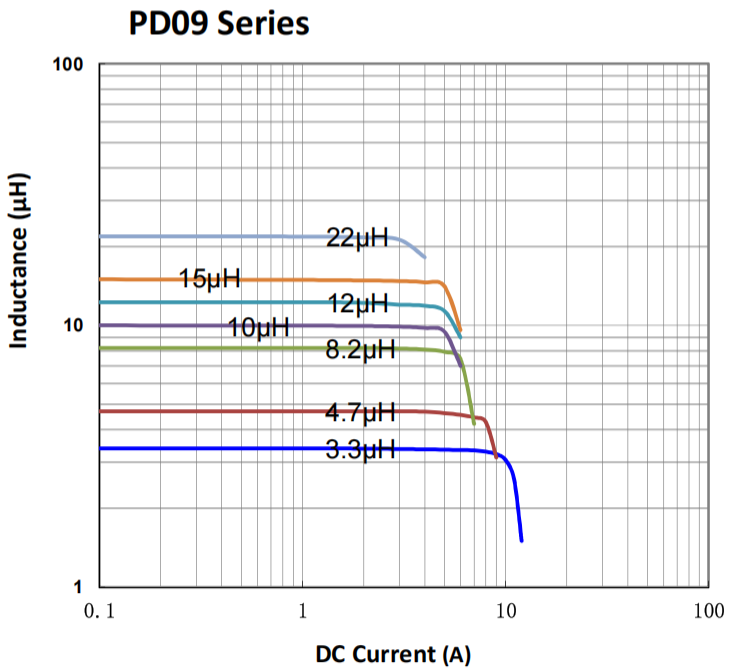
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2024-05

Dimensions 结构尺寸



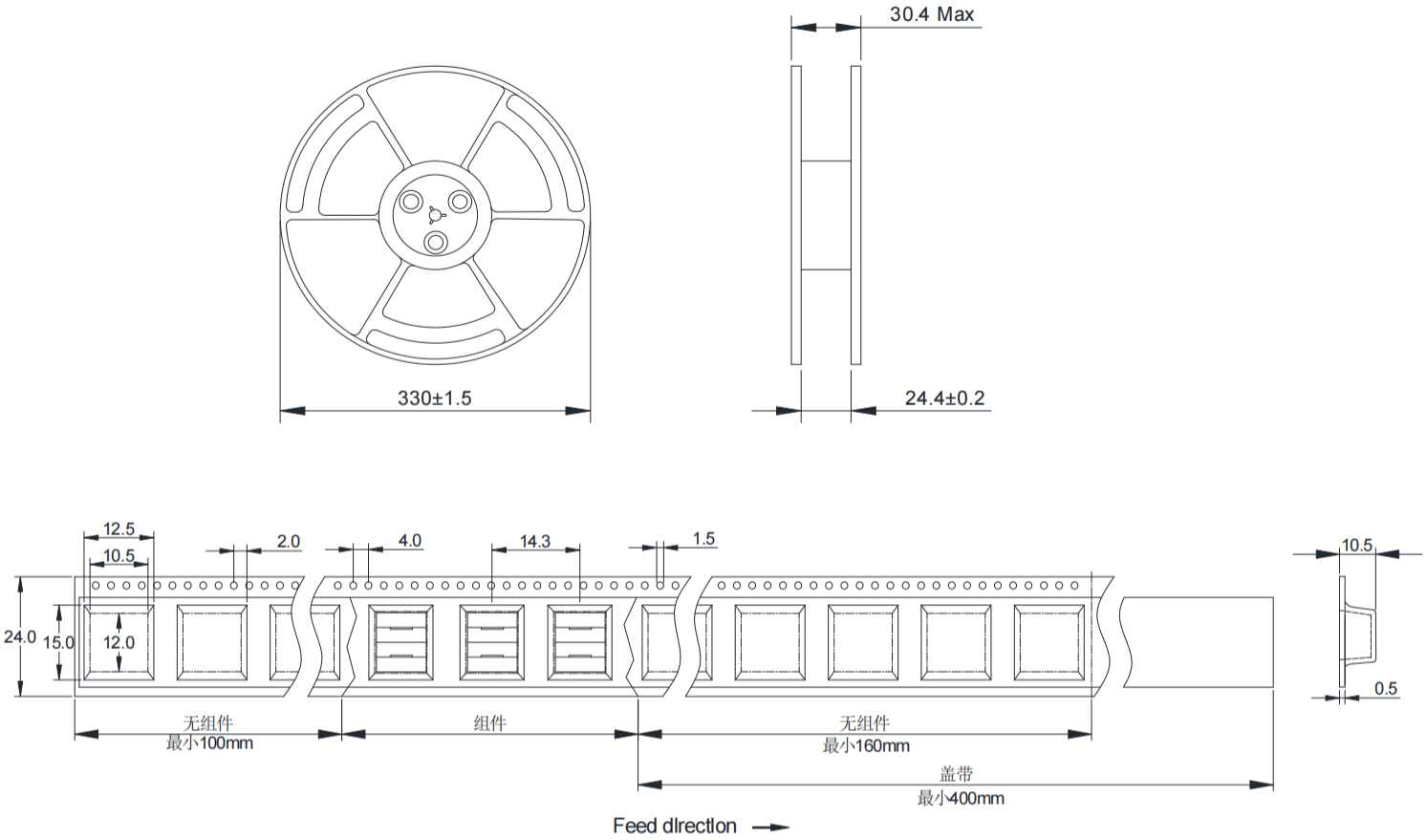
■PD09

Electrical Characteristic Curve 电气特性曲线



■Packaging Specification - Tape and Reel: [mm]

包装规格 - 卷带包装：[mm]



Weight **重量**: 3.11~3.24g/PCS

Packaging **包装数量**: 300 PCS/Reel

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