芯芒微电子

XINMANG MICROELECTRONICS

POWERHEN

Electronics

产品规格书

PD10

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

■PD10 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	Inductance① 电感量 μH±10%	DCR② 直流电阻 mΩ Max	DCR② 直流电阻 mΩ typ	SRF③ 自谐频率 MHz typical	Isat④ 饱和电流 A (typical) 10% drop	Isat④ 饱和电流 A (typical) 20% drop	Isat④ 饱和电流 A (typical) 30% drop	Irms⑤ 温升电流 A (Max.) 20℃ rise	Irms⑤ 温升电流 A (Max.) 40℃ rise
PD10-332KL	3.3	11	9.0	31	12.9	13.75	14.0	5.1	8.2
PD10-822KL	8.2	16	13.5	22	7.9	8.8	9.1	4.8	6.1
PD10-103KL	10	18	15	20	7.0	7.3	7.5	4.5	6.0
PD10H-103KL	10	24	20	19	10.0	10.2	10.5	4.0	5.5
PD10-123KL	12	20	16.5	18	5.7	6.1	6.5	3.8	5.2
PD10-153KL	15	23	18.9	16	5.2	5.7	6.0	3.5	5.0
PD10-223KL	22	38	31.5	14	3.9	4.4	4.8	3.0	3.8

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

③ SRF measured using an Agilent 4395A network analyzer and an Agilent 16193A 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 16193A 测试夹具测量。

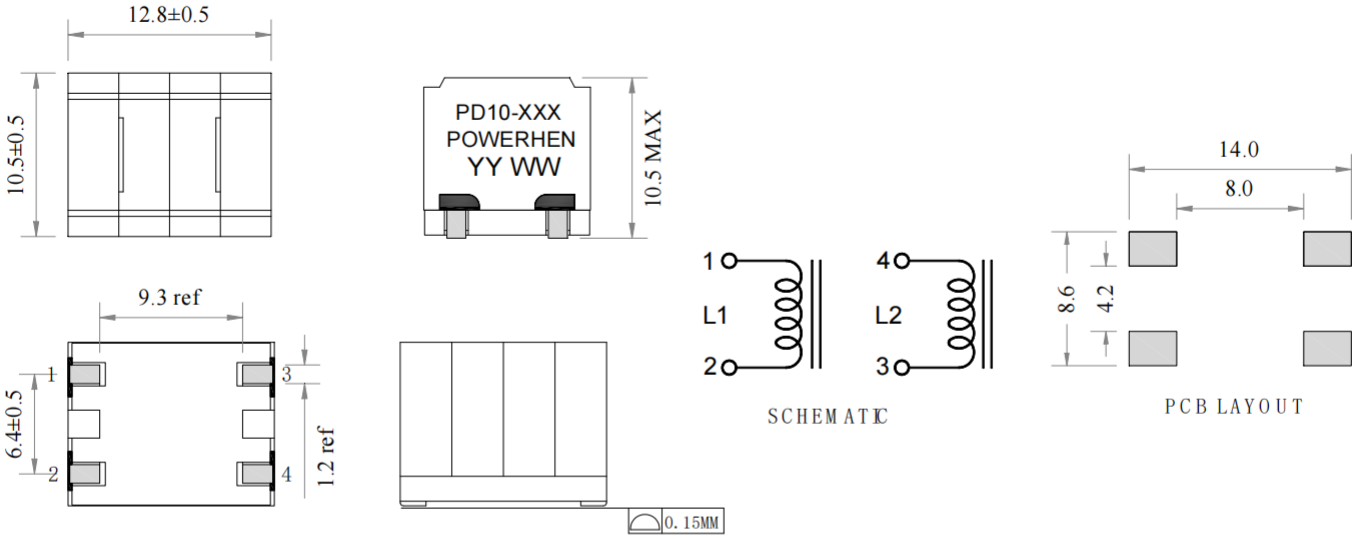
④直流电流在 25° C，加载导致指定电感从没有电流的值下降。

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。

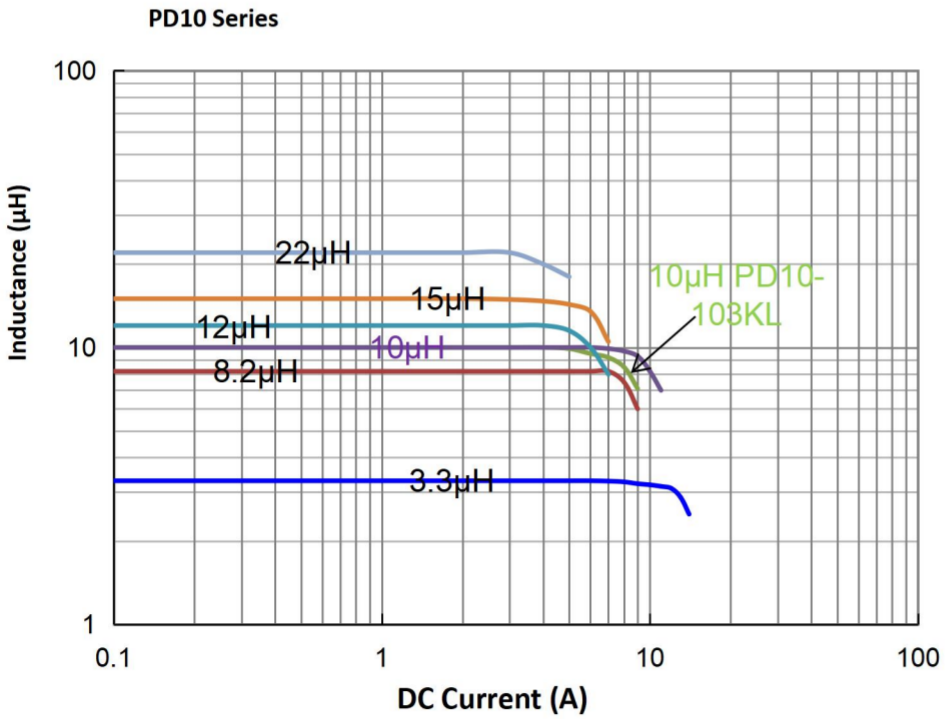
⑥25° C 时的电气规格

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Dimensions 结构尺寸



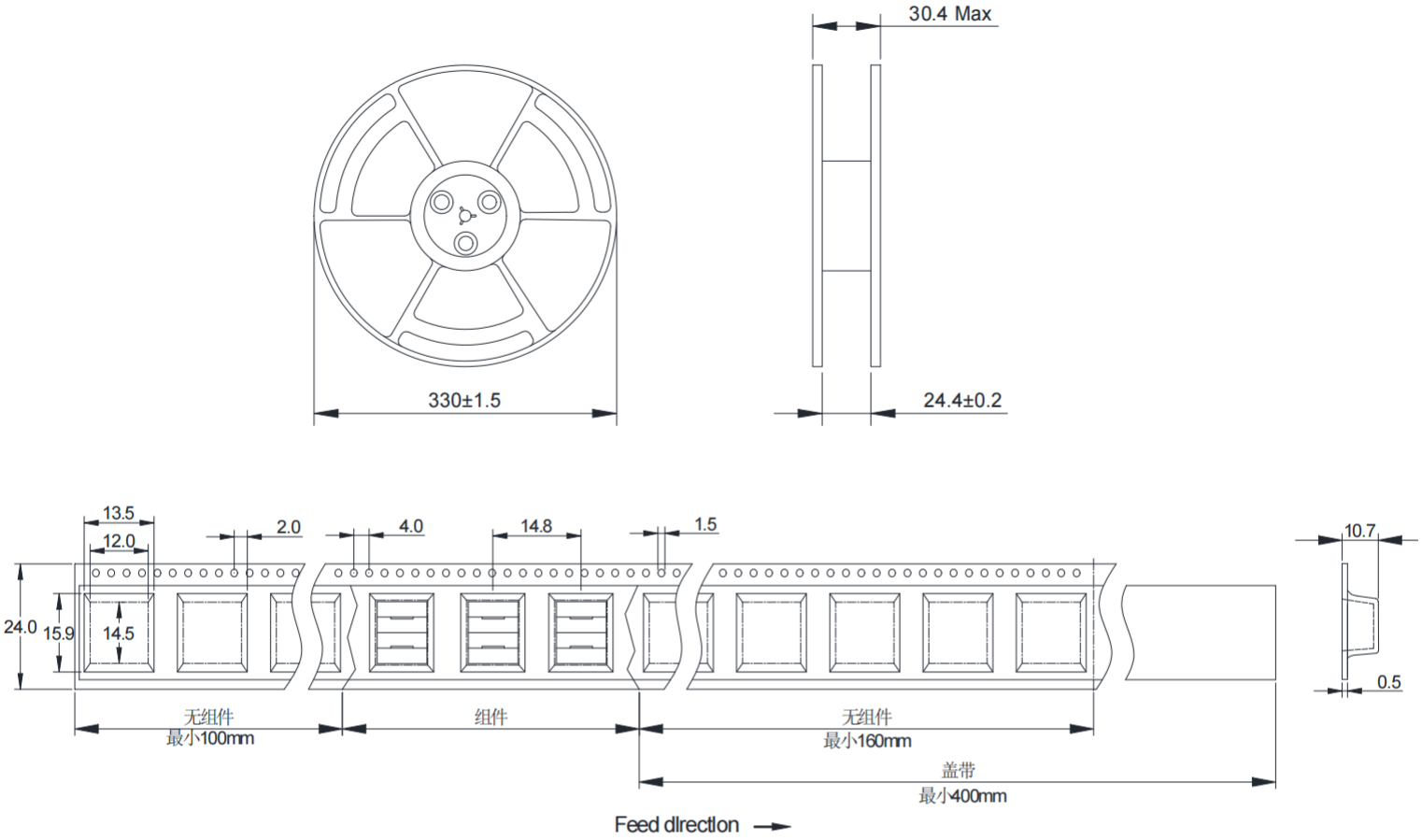
Electrical Characteristic Curve 电气特性曲线



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■Packaging Specification - Tape and Reel: [mm]

包装规格 - 卷带包装：[mm]



Weight 重量: 4.68~5.11g/PCS

Packaging 包装数量: 300 PCS/Reel

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