

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°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 电气特性

Part number 料号	Inductance① 电感量 μH±10%	DCR② 直流电阻 mΩ		SRF③ 自谐频率 MHz	Isat④ 饱和电流 A (typical)				Irms⑤ 温升电流 A (Max.)	
		Max	typ		typical	10% drop	20% drop	30% drop	20°C rise	40°C 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

- 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 SRF measured using an Agilent 4395A network analyzer and an Agilent 16193A test fixture.
- ④ DC current at 25°C that causes the specified Inductance drop from its value without current.
- ⑤ Current that causes the specified temperature rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
- ⑥ Electrical specifications at 25°C

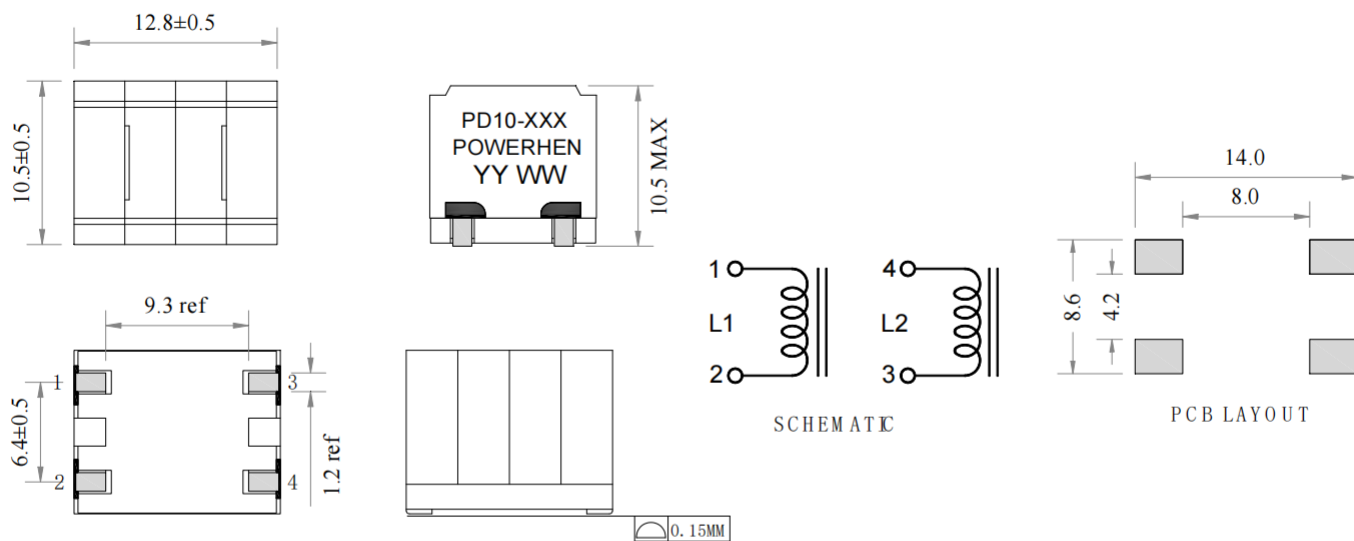
备注

- 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 SRF 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。
- ⑥ 25°C 时的电气规格

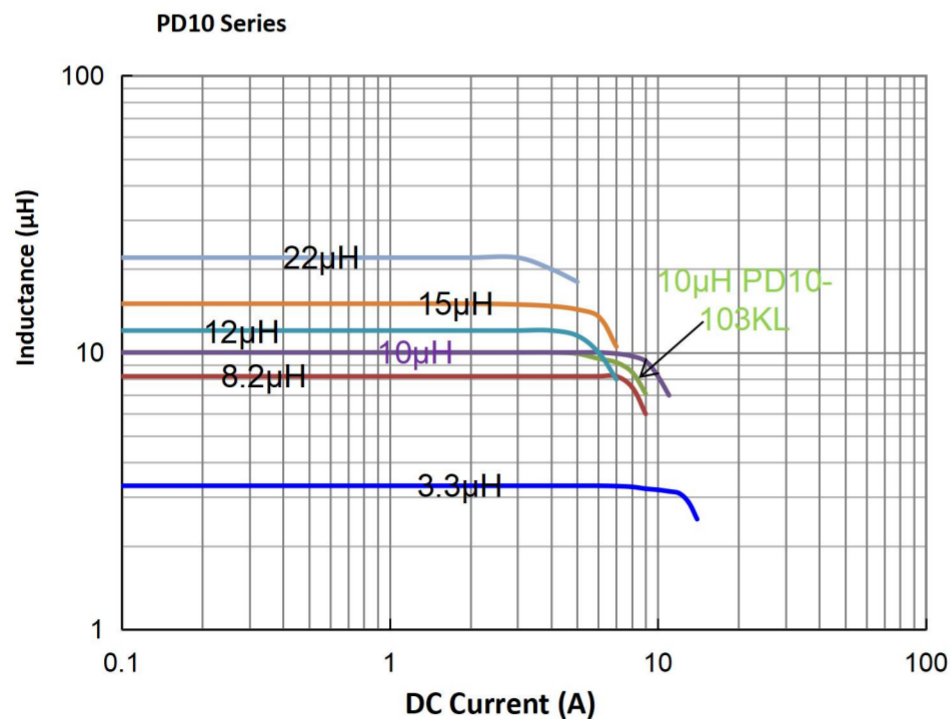
ShenZhen POWERHEN Electronic Co.,Ltd

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

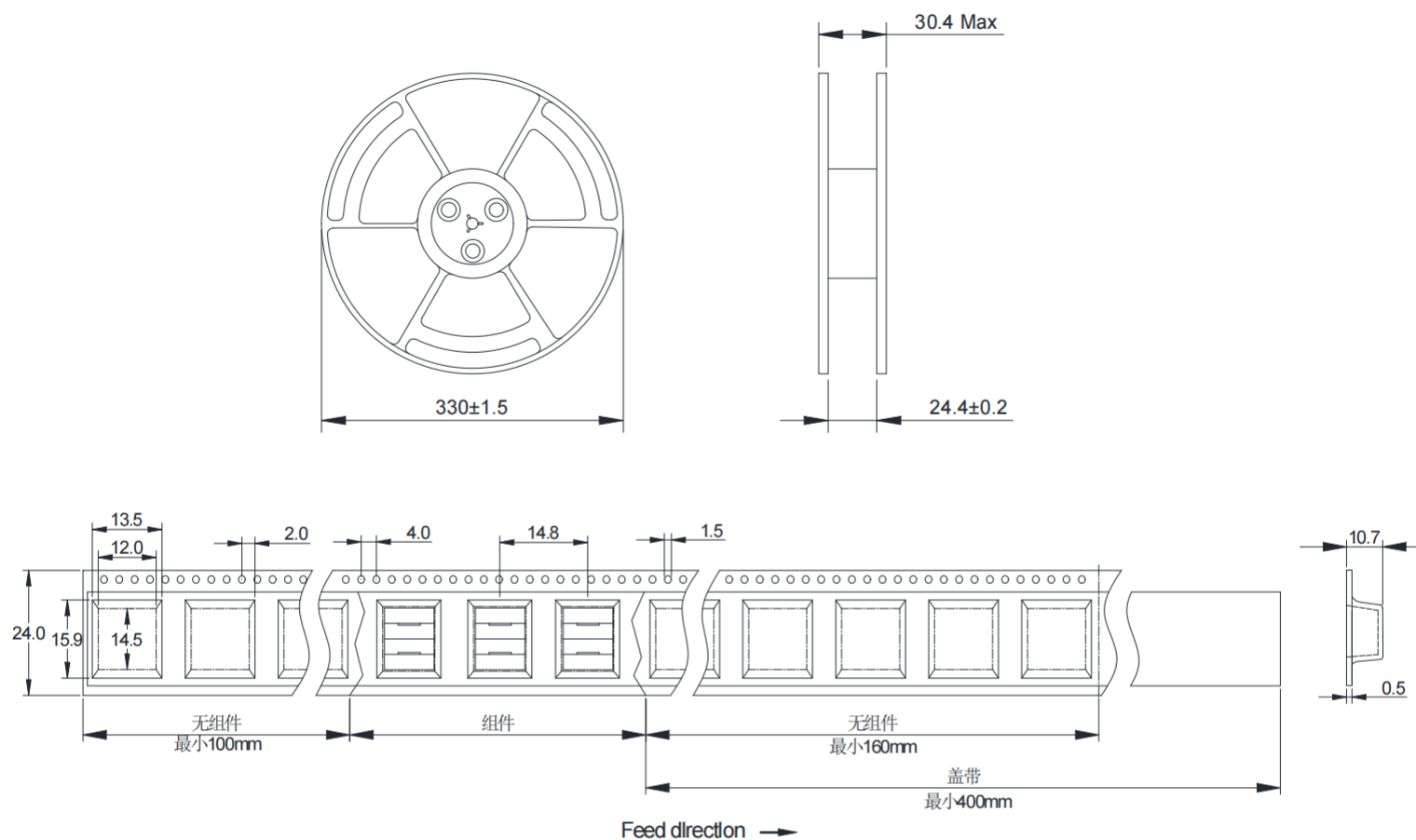


Electrical Characteristic Curve 电气特性曲线



■ 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