

Leaded Inductors for Class D

插件型数字功放电感

■HPD14B 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
- 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	DCR 直流电阻mΩ		SRF MHz	Isat 直流饱和电流 A typica			Irms 温升电流 A typical	
	μH±20%	Тур	Max.	typical	10% drop	20% drop	30% drop	20°C rise	40°C rise
HPD14B-100MB	10	9.90	11.0	18	11.0	11.8	12.4	5.8	7.5
HPD14B-150MB	15	14.0	16.5	13	8.80	9.40	9.60	4.7	6.0
HPD14B-220MB	22	15.5	18.0	10	6.30	6.60	6.90	4.5	5.7
HPD14B-330MB	33	19.2	22.0	7	4.50	4.80	5.10	3.4	4.8

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
- ③SRF 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.
- ©Current that causes the specified temperature rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
- **©**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
- 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

^{*}The specifications of the data measured in the laboratory different

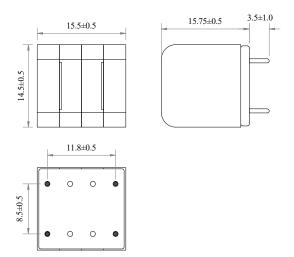
conditions of use, please refer to the actual.

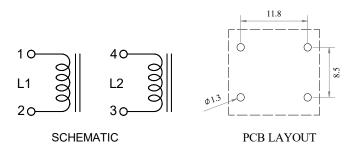
*The specifications are subject to change, without prior notice.

^{*}Without approval, this product can not be used for medical military or other high-risk areas.

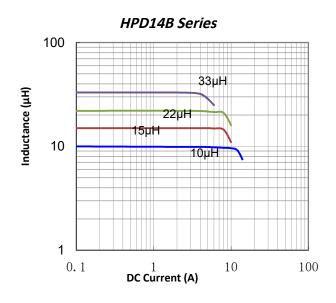


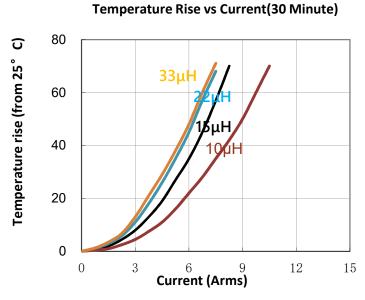
Dimensions 结构尺寸





Electrical Characteristic Curve 电气特性曲线





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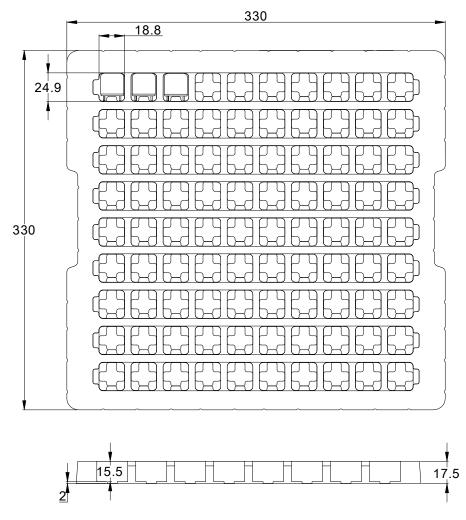
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■ Packaging Specification - tray: [mm]

包装规格 - 托盘包装: [mm]



Weight 重量: 13.2~13.35g/PCS Packaging 包装数量:108 PCS/盘

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