

#### Leaded Inductors for Class D

### 插件型数字功放电感

#### **■**HPD1623 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 DCR 电感量 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	ур Мах.	typical	10% drop	20% drop	30% drop	20°C rise	40°C rise
HPD1623-100MB	10	9.0	11	13	12	14.4	15	4.3	6.5
HPD1623-150MB	15	17.6	20	10	9.2	11.0	13	3.9	5.8
HPD1623-220MB	22	22.7	28	6	9.0	10.5	12	3.1	4.2

#### 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  $25^{\circ}$  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。

or other high-risk area

⑥25°C 时的电气规格

<sup>\*</sup>The specifications of the data measured in the laboratory different

conditions of use, please refer to the actual.

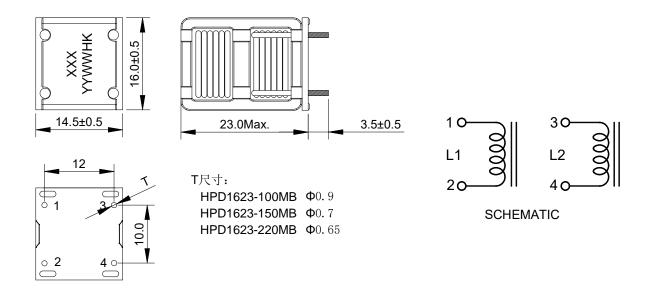
\*The specifications are subject to change, without prior notice.

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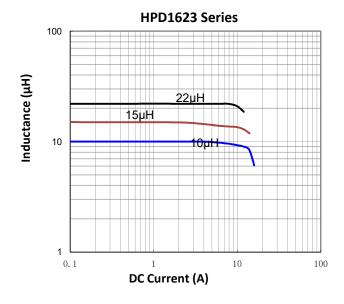
\*Without approval, this product can not be used for medical military

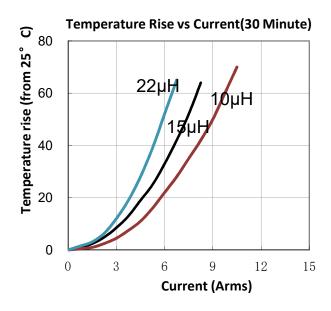


# Dimensions 结构尺寸



# Electrical Characteristic Curve 电气特性曲线





Shenzhen Hekofly Electronic Technology Co., Ltd

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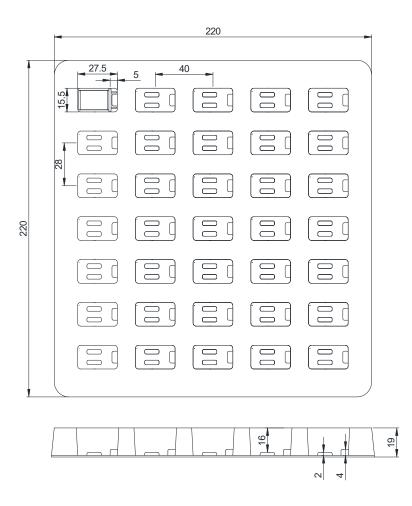
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### ■ Packaging Specification - tray: [mm]

包装规格 - 托盘包装: [mm]



Weight 重量: 14.45~15.25g/PCS Packaging 包装数量:35 PCS/盘

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