

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

HPD09

Features

- 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

- 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

Part number 料号	Inductance 电感量 μH	DC resistance mΩ		DC saturation current 直流饱和电流 A typ			Temperature rise current 温升电流 A max	
		typ	max.	10% drop	20% drop	30% drop	20℃rise	40℃rise
HPD09-332	3.3±20%	9.6	11.5	9.8	10.5	10.9	3.5	4.8
HPD09-472	4.7±20%	11.2	15	8.5	8.9	9.2	3.2	4.5
HPD09-822	8.2±20%	13.5	20	4.5	5.2	5.6	3.0	4.0
HPD09-103	10±20%	15.1	22	3.8	4.7	5.0	2.8	3.9
HPD09-123	12±20%	16	25	3.2	4.0	4.3	2.5	3.4
HPD09-153	15±20%	34.6	44	3.0	3.5	4.1	2.3	2.8
HPD09-223	22±20%	45.8	52	2.5	2.9	3.2	2.0	2.5

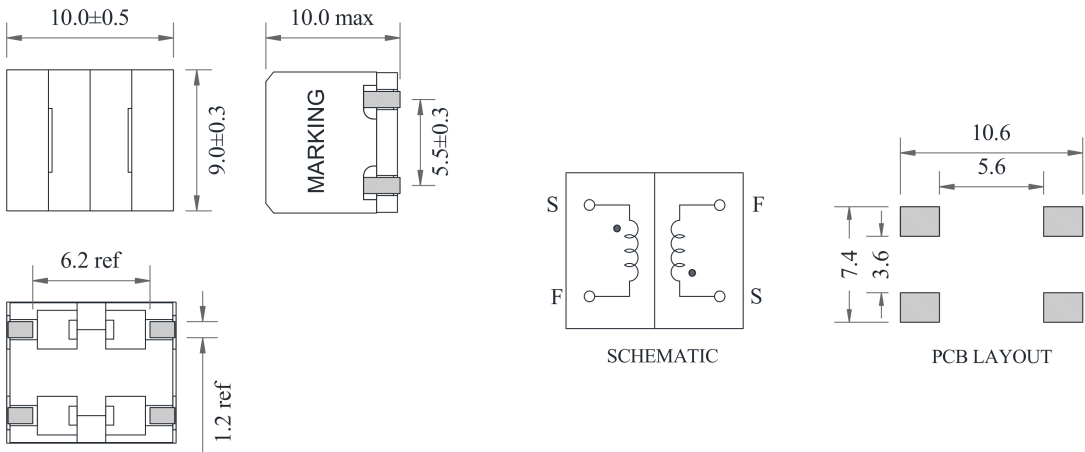
Remark

- Inductance is measured with a LCR meter Agilent 4284A or equivalent.
Test frequency at 100kHz
- DC resistance is measured with 16502micro-ohmmeter. or equivalent.
Reference ambient temperature 25℃

备注

- 电感量测试采用 Agilent 4284A 数字电桥或同等仪器；
测试频率 100KHz
- 直流电阻测试采用 16502 毫欧表或同等仪器；
环境温度 25℃

Dimensions



■ HPD09

Electrical Characteristic Curve

