

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

HPEI1809S 系列

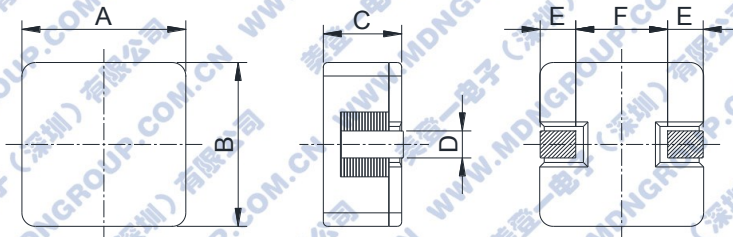
FEATURES

- Compact size using flat wire, SMD type.
- Low radiation noise by magnetically shielded construction.
- Super high current, Low resistance.
- The alloy magnetic power core has high saturation flux and excellent DC bias, low core loss.

APPLICATIONS

- Suitable as choke for digital amp, power filter and PFC circuit. AMP of Car audio, LED TV, 5.1ch Home theater, the CPU and GPU's power supply circuit for notebook and PC etc.

DIMENSIONS (mm) AND SHAPES



TYPE	A ±0.5	B ±0.5	C max	D ±0.5	E ±1.0	F Ref
HPEI1809S-	18.2	18.2	9.0	3.0	4.5	9.2

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (uH) ± 25%	DC resistance (mΩ) ± 10%	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
HPEI1809S-100	10	8.0	20.0	16.0
HPEI1809S-150	15	10.0	16.0	14.0
HPEI1809S-220	22	15.0	12.0	11.0
HPEI1809S-330	33	22.0	10.0	8.5
HPEI1809S-470	47	35.0	8.0	7.0

特 征

- 扁平线小尺寸，贴片类型；
- 闭磁路封装，低辐射；
- 超大的额定电流，低直流电阻；
- 采用具有高饱和磁通，优秀的直流叠加特性及低铁损的合金磁粉。

用 途

- 适用于数字功放扼流、电源滤波及功率因素校正等电流。如汽车音响，LED 智能电视，5.1 声道家庭影院等功放电路，笔记本和电脑 CPU 和 GPU 的供电电路等。

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HPEI1810S 系列

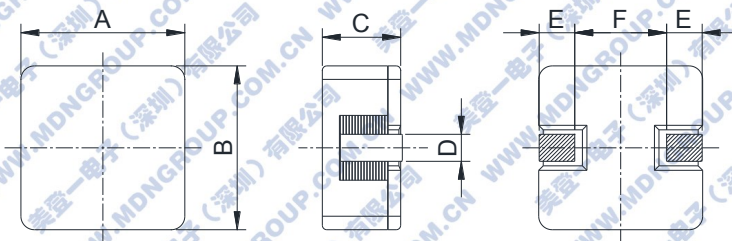
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HPEI1810S-220	22	11.5	15.0	12.0
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