

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

HPFS1719A 系列

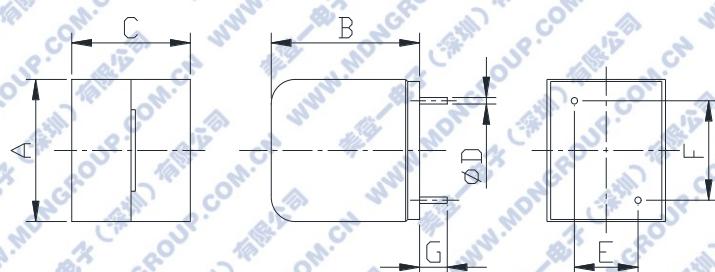
FEATURES

- Compact size copper wire, DIP type.
- Low radiation noise by magnetically shielded construction.
- Super high current, Low resistance.
- Wide frequency range: ~1MHz.
- The optimal design realizes high quality sound and low distortion.

APPLICATIONS

- Suitable as choke for digital amp. Car audio, LCD and PDP TV, 5.1ch Home theater, etc.

DIMENSIONS (mm) AND SHAPE



特 征

- 圆铜线小尺寸，插件类型；
- 闭磁路封装，低辐射；
- 超大的额定电流，低直流电阻；
- 较宽频率应用范围；
- 高音质低失真的最佳设计。

用 途

- 适用于超大数字功放扼流。如汽车音响，LCD 电视和 PDP 电视，5.1 声道家庭影院等。



TYPE	Amm (± 0.5)	Bmm (max)	Cmm (± 0.5)	Dmm (± 0.1)	Emm (± 0.5)	Fmm (± 0.5)	Gmm (± 1.0)	
HPFS1719A-100	17.5	19.3	15.0	1.0	8.5	12.5	5.0	
HPFS1719A-150	17.5	19.3	15.0	1.0	8.5	12.5	5.0	
HPFS1719A-220	17.5	19.3	15.0	0.8	8.5	12.5	5.0	
HPFS1719A-330	17.5	19.3	15.0	0.7	8.5	12.5	5.0	
HPFS1719A-470	17.5	19.3	15.0	0.6	8.5	12.5	5.0	

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (μH) $\pm 20\%$	DC resistance ($\text{m}\Omega$) Max	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
HPFS1719A-100	10	10.0(7.0)	22.0	10.0
HPFS1719A-150	15	12.0(8.0)	18.0	9.0
HPFS1719A-220	22	18.0(15.0)	14.0	6.5
HPFS1719A-330	33	28.0(22.8)	12.0	6.0
HPFS1719A-470	47	40.0(34.0)	8.0	5.0

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感**HPFS1719S 系列****FEATURES**

- Compact size copper wire, DIP type.
- Low radiation noise by magnetically shielded construction.
- Super high current, Low resistance.
- Wide frequency range: ~1MHz.
- The optimal design realizes high quality sound and low distortion.

APPLICATIONS

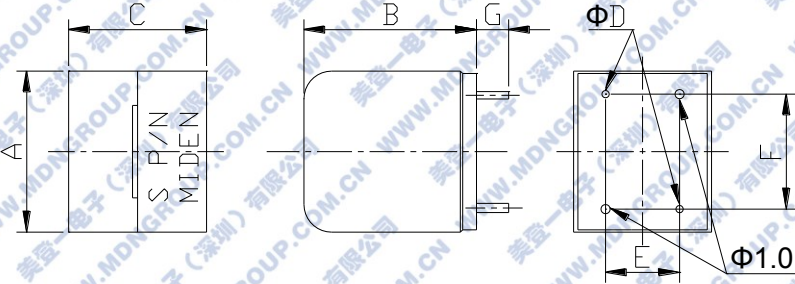
- Suitable as choke for digital amp. Car audio, LCD and PDP TV, 5.1ch Home theater, etc.

DIMENSIONS (mm) AND SHAPE**特 征**

- 圆铜线小尺寸，插件类型；
- 闭磁路封装，低辐射；
- 超大的额定电流，低直流电阻；
- 较宽频率应用范围；
- 高音质低失真的最佳设计。

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- 适用于超大数字功放扼流。如汽车音响，LCD 电视和 PDP 电视，5.1 声道家庭影院等。



TYPE	Amm (± 0.5)	Bmm (max)	Cmm (± 0.5)	Dmm (± 0.1)	Emm (± 0.5)	Fmm (± 0.5)	Gmm (± 1.0)
HPFS1719S-	17.5	19.3	15.0	0.8	8.5	12.5	3.5

ELECTRICAL CHARACTERISTICS

TYPE	Inductance @1KHz/0.25V (μH) $\pm 20\%$	DC resistance ($\text{m}\Omega$) $\pm 25\%$	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
HPFS1719S-100	10	15.0	28.0	6.5
HPFS1719S-150	15	15.0	20.0	6.5
HPFS1719S-220	22	15.0	14.0	6.5
HPFS1719S-330	33	15.0	8.5	6.5
HPFS1719S-470	47	15.0	7.0	6.5

Remark : DC saturation current: Value of inductance decrease within 20%.

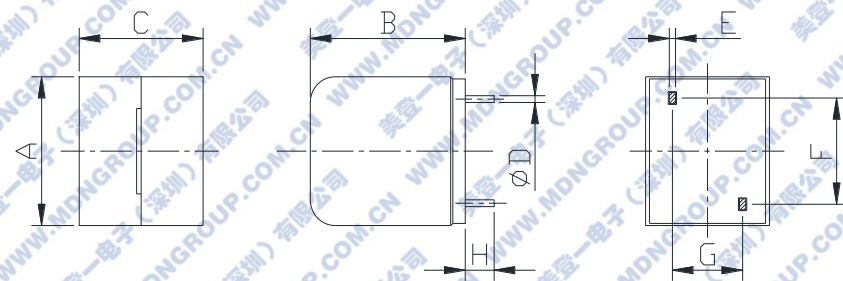
Temperature rise current: A rise in temperature of core surface is within 40°C.

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感**HPFS1719B 系列****FEATURES**

- Compact size using flat wire, DIP type.
- Low radiation noise by magnetically shielded construction.
- Super high current, Low resistance.
- Wide frequency range: ~1MHz.
- The optimal design realizes high quality sound and low distortion.

APPLICATIONS

- Suitable as choke for digital amp. Car audio, LCD and PDP TV, 5.1ch Home theater, etc.

DIMENSIONS (mm) AND SHAPE

TYPE	Amm (± 0.5)	Bmm (max)	Cmm (± 0.5)	Dmm (± 0.1)	Emm (± 0.2)	Fmm (± 0.5)	Gmm (± 0.5)	Hmm (± 1.0)
HPFS1719B-SERIES	17.5	19.3	15.0	1.25	0.75	12.0	8.5	5.0

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (μH) $\pm 20\%$	DC resistance ($\text{m}\Omega$) Max	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
HPFS1719B-100	10	10.7(9.0)	26.0	8.5
HPFS1719B-150	15	10.7(9.0)	20.0	8.5
HPFS1719B-220	22	10.7(9.0)	14.0	8.5
HPFS1719B-330	33	10.7(9.0)	7.5	8.5
HPFS1719B-470	47	10.7(9.0)	6.0	8.5

特 征

- 扁平线小尺寸，插件类型；
- 闭磁路封装，低辐射；
- 超大的额定电流，低直流电阻；
- 较宽频率应用范围；
- 高音质低失真的最佳设计。

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