

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

HPFS1010A/B 系列

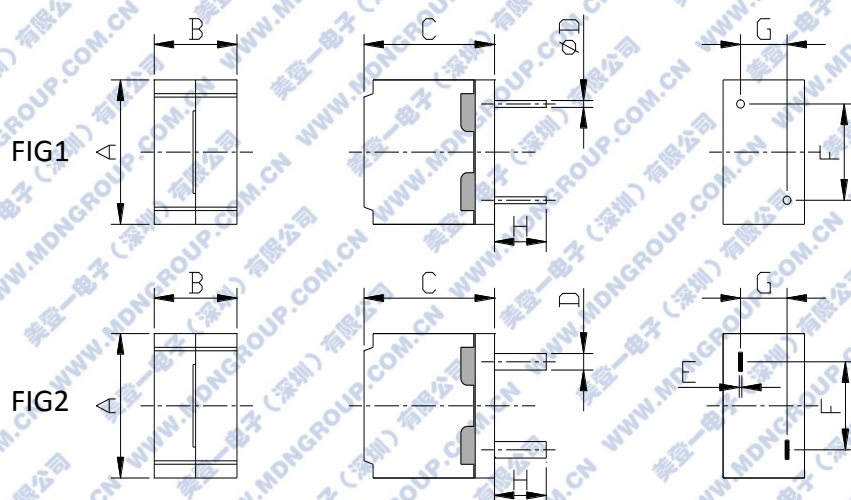
FEATURES

- Low radiation noise by magnetically shielded construction.
- Super high current, Low resistance.
- 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 SHAPES



TYPE	A ± 0.3	B ± 0.5	C Max	D ± 0.1	E ± 0.1	F ± 0.5	G ± 0.5	H ± 0.5	FIG
HPFS1010A-	10.5	6.4	10.5	*	--	7.0	4.0	4.0	1
HPFS1010B-	10.5	6.4	10.5	*	*	6.4	3.6	4.0	2

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (μ H) $\pm 20\%$	DC resistance (m Ω)max	I _{SAT} (A)max	I _{RMS} (A)max	Dimension	
					D(mm)	E(mm)
HPFS1010A-100M	10	18.0(12.5)	7.5	5.0	0.60	-
HPFS1010A-120M	12	25.0(19.6)	6.0	4.8	0.50	-
HPFS1010A-150M	15	30.0(25.2)	5.3	4.5	0.45	-
HPFS1010A-180M	18	35.0(28.3)	4.8	4.5	0.45	-
HPFS1010A-220M	22	45.0(37.2)	4.3	4.0	0.40	-
HPFS1010B-100M	10	18	7.5	5.5	1.20	0.20
HPFS1010B-120M	12	20	6.0	5.0	1.20	0.20
HPFS1010B-150M	15	23	5.3	4.8	1.20	0.20

特 征

- 闭磁路封装，低辐射；
- 超大的额定电流，低直流电阻；
- 高音质低失真的最佳设计；

用 途

- 适用于 D 类数字功放。如汽车音响，LCD 电视和 PDP 电视，5.1 声道家庭影院等。

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

HPFS1010AG 系列

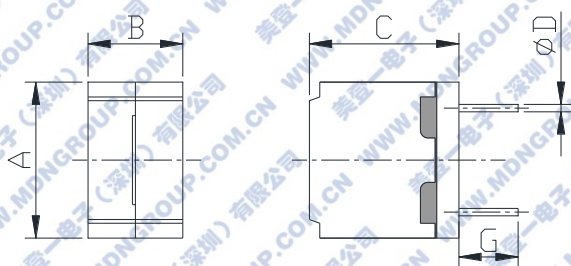
FEATURES

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APPLICATIONS

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DIMENSIONS (mm) AND SHAPES

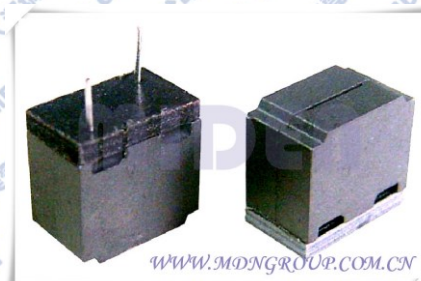


特 征

- 闭磁路封装，低辐射；
- 超大的额定电流，低直流电阻；
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TYPE	A ± 0.3	B ± 0.5	C Max	D ± 0.1	E ± 0.5	F ± 0.5	G Ref
HPFS1010AG-	10.5	6.4	10.5	0.60	4.0	7.0	4.0

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (μH) $\pm 20\%$	DC resistance ($\text{m}\Omega$) max	I_{SAT} (A) max	I_{RMS} (A) max
HPFS1010AG-100M	10	20.5(17.5)	7.5	4.5
HPFS1010AG-120M	12	20.5(17.5)	6.5	4.5
HPFS1010AG-150M	15	20.5(17.5)	5.0	4.5
HPFS1010AG-220M	22	20.5(17.5)	3.5	4.5
HPFS1010AG-330M	22	20.5(17.5)	2.0	4.5

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

HPFS1315B 系列

FEATURES

- Low radiation noise by magnetically shielded construction.
- Super high current, Low resistance.
- 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.

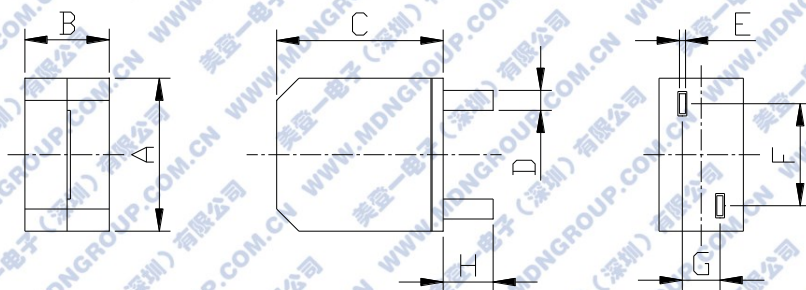
特 征

- 闭磁路封装，低辐射；
- 超大的额定电流，低直流电阻；
- 高品质低失真的最佳设计；

用 途

- 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。

DIMENSIONS (mm) AND SHAPES



TYPE	A±0.5	B±0.5	C Max	D±0.1	E±0.1	F±0.5	G±0.5	H±1.0
HPFS1315L-100	13.0	6.4	15.0	-	-	8.4	3.3	5.0
HPFS1315B-100	13.0	8.4	15.0	-	-	8.4	3.3	5.0

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (uH)±20%	DC resistance (mΩ)max	Isat (A)max	Irms (A)max	Dimension	
					D	E
HPFS1315L-100	10	11.0	9.0	6.0	1.80	0.33
HPFS1315B-100	10	5.6	7.0	8.5	1.80	0.50
HPFS1315B-120	12	6.5	6.6	8.0	1.80	0.50
HPFS1315B-150	15	7.2	5.5	7.5	1.80	0.50
HPFS1315B-220	22	9.0	5.2	7.0	1.80	0.40
HPFS1315B-270	27	15.0	4.0	6.0	1.80	0.33
HPFS1315B-330	33	16.0	3.8	5.5	1.80	0.33

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

HPFS1315E 系列

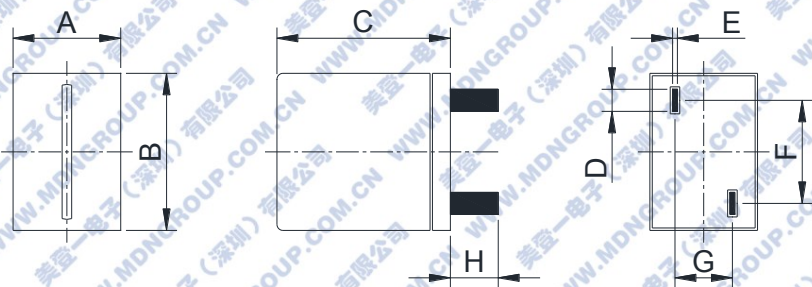
FEATURES

- Compact size using wire, Dip type.
- Low radiation noise by magnetically shielded construction.
- Super high current, Low resistance.
- 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 SHAPES



TYPE	A ± 0.5	B ± 0.5	C Max	D ± 0.1	E ± 0.1	F ± 0.5	G ± 0.5	H ± 1.0
HPFS1315E-	12.8	9.0	15.0	1.8	0.4	8.4	4.8	5.0

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (μH) $\pm 20\%$	DC resistance ($\text{m}\Omega$) max	I_{SAT} (A) max	I_{RMS} (A) max
HPFS1315E-100	10	10.0(7.5)	11.0	7.5
HPFS1315E-150	15	12.0(8.1)	9.5	7.0
HPFS1315E-220	22	12.0(8.1)	5.2	7.0
HPFS1315E-330	33	12.0(8.1)	3.5	7.0

特 征

- 使用扁平线，插件类型；
- 闭磁路封装，低辐射；
- 超大的额定电流，低直流电阻；
- 高品质低失真的最佳设计；

用 途

- 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。

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

HPFS1416A 系列

FEATURES

- Low radiation noise by magnetically shielded construction.
- Super high current, Low resistance.
- 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.

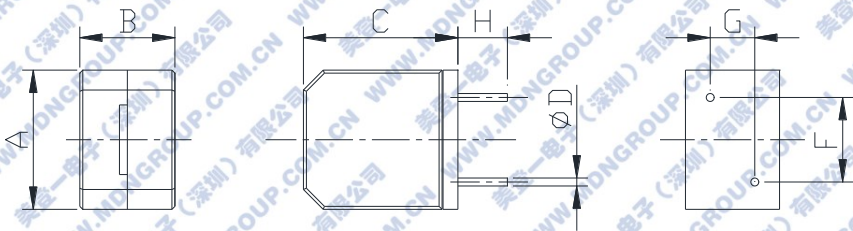
特 征

- 闭磁路封装，低辐射；
- 超大的额定电流，低直流电阻；
- 高音质低失真的最佳设计；

用 途

- 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。

DIMENSIONS (mm) AND SHAPES



TYPE	A±0.3	B±0.5	C Max	D±0.1	E±0.1	F±0.5	G±0.5	H±0.5	FIG
HPFS1416A-	14.0	9.6	16.0	*		8.5	4.5	5.0	1

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (uH) ± 20%	DC resistance (m Ω)max	IsAT (A)max	Irms (A)max	Dimension	
					D	E
HPFS1416A-100	10	15.0	11.5	7.0	0.80	---
HPFS1416A-150	15	18.0	10.0	6.0	0.80	---
HPFS1416A-220	22	20.0	8.0	5.5	0.70	---
HPFS1416A-330	33	28.0	5.5	5.0	0.65	---

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

HPFS1416B 系列

FEATURES

- Low radiation noise by magnetically shielded construction.
- Super high current, Low resistance.
- 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.

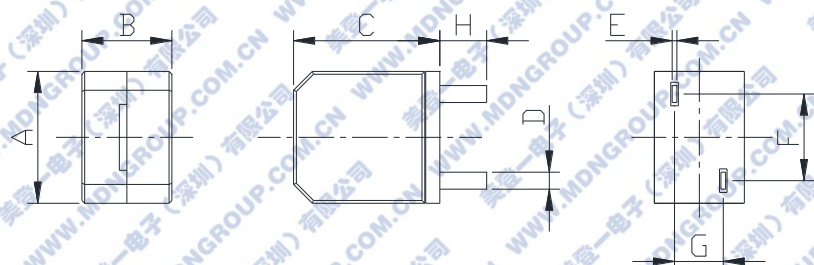
特 征

- 闭磁路封装，低辐射；
- 超大的额定电流，低直流电阻；
- 高品质低失真的最佳设计；

用 途

- 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。

DIMENSIONS (mm) AND SHAPES



TYPE	A ± 0.3	B ± 0.5	C max	D ± 0.1	E ± 0.1	F ± 0.5	G ± 0.8	H ± 0.5
HPFS1416B-	14.0	9.6	16.0	*	*	9.2	4.5	5.0

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (μH) $\pm 20\%$	DC resistance ($\text{m}\Omega$) max	I_{SAT} (A) max	I_{RMS} (A) max	Dimension	
					D	E
HPFS1416B-100	10	6.5	9.0	8.0	1.80	0.50
HPFS1416B-120	12	6.5	8.5	8.0	1.80	0.50
HPFS1416B-150	15	7.0	7.5	7.5	1.80	0.50
HPFS1416B-220	22	12.0	6.5	7.0	1.80	0.40
HPFS1416B-330	33	15.0	6.0	6.0	1.80	0.35
HPFS1416B-470	47	20.0	5.0	5.0	1.80	0.30

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

HPFS1416C 系列

FEATURES

- Low radiation noise by magnetically shielded construction.
- Super high current, Low resistance.
- The optimal design realizes high quality sound and low distortion.

特 征

- 闭磁路封装，低辐射；
- 超大的额定电流，低直流电阻；
- 高音质低失真的最佳设计；

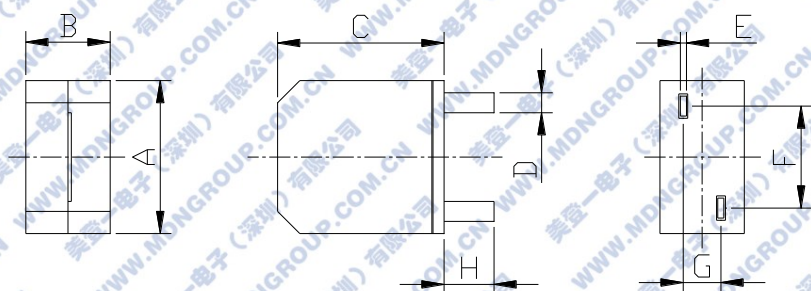
APPLICATIONS

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

用 途

- 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。

DIMENSIONS (mm) AND SHAPES



TYPE	A ± 0.5	B ± 0.5	C Max	D ± 0.1	E ± 0.1	F ± 0.5	G ± 0.5	H ± 1.0
HPFS1416C-	14.0	9.6	16.0	*		8.5	4.5	5.0

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (μH) $\pm 20\%$	DC resistance ($\text{m}\Omega$) Max(Typ)	I_{SAT} (A)max	I_{RMS} (A)max	Dimension	
					D	E
HPFS1416C-100	10	15.0(11.3)	15	7	1.80	0.35
HPFS1416C-120	12	16.0(12.0)	13	7	1.80	0.35
HPFS1416C-150	15	12.0(8.2)	11	8	1.80	0.43
HPFS1416C-220	22	16.0(12.0)	10	7	1.80	0.35
HPFS1416C-330	33	20.0(16.2)	9	5	1.80	0.30

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

HPFS1719A 系列

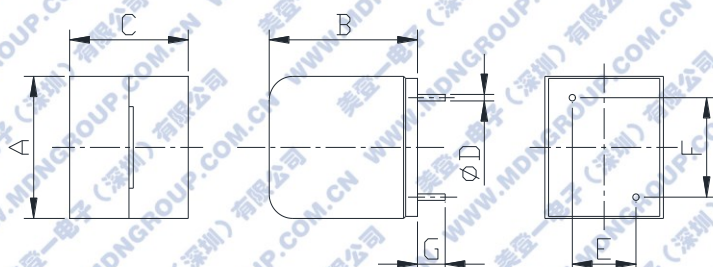
FEATURES

- 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 ($\text{m}\Omega$) $\pm 25\%$	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
HPFS1719A-100	10	7.0	22.0	10.0
HPFS1719A-150	15	8.0	18.0	9.0
HPFS1719A-220	22	15.0	14.0	6.5
HPFS1719A-330	33	22.8	12.0	6.0
HPFS1719A-470	47	34.0	8.0	5.0

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

HPFS1719B 系列

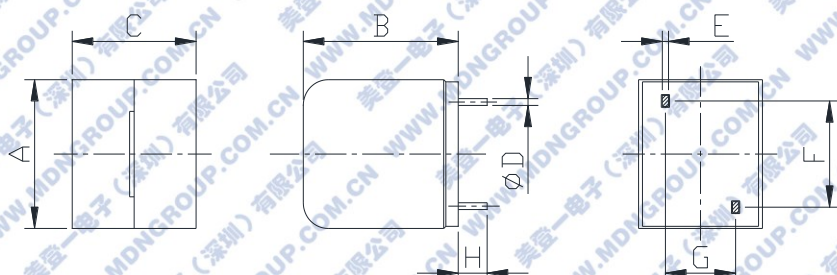
FEATURES

- 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 (±0.3)	Fmm (±0.5)	Gmm (±0.5)	Hmm (±1.0)
HPFS1719B-SERIES	17.5	19.3	15.0	0.75	1.30	12.5	8.5	5.0

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (μ H) $\pm 20\%$	DC resistance (m Ω) $\pm 25\%$	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
HPFS1719B-100	10	9.0	26.0	8.5
HPFS1719B-150	15	9.0	20.0	8.5
HPFS1719B-220	22	9.0	13.0	8.5
HPFS1719B-330	33	9.0	7.5	8.5
HPFS1719B-470	47	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。

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。

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

HPFS2023B 系列

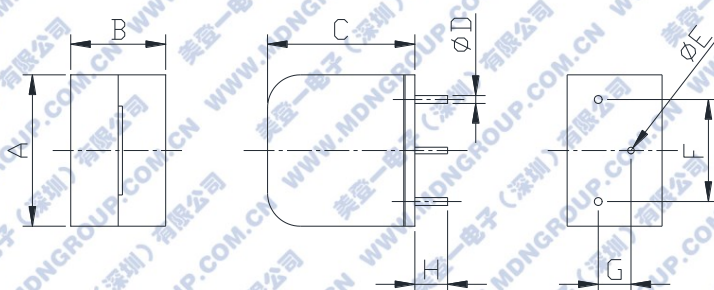
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APPLICATIONS

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DIMENSIONS (mm) AND SHAPES



特 征

- 闭磁路封装，低辐射；
- 超大的额定电流，低直流电阻；
- 高品质低失真的最佳设计；

用 途

- 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。



TYPE	A $\pm$ 0.35	B $\pm$ 0.5	C Max	D $\pm$ 0.1	E $\pm$ 0.1	F $\pm$ 0.5	G $\pm$ 0.5	H $\pm$ 1.0
HPFS2023B-100	23.0	14.5	23.0	1.2	1.0	15.5	5.0	5.0
HPFS2023B-120	23.0	14.5	23.0	1.2	1.0	15.5	5.0	5.0
HPFS2023B-150	23.0	14.5	23.0	1.2	1.0	15.5	5.0	5.0
HPFS2023B-180	23.0	14.5	23.0	1.2	1.0	15.5	5.0	5.0
HPFS2023B-220	23.0	14.5	23.0	1.2	1.0	15.5	5.0	5.0
HPFS2023B-330	23.0	14.5	23.0	1.1	1.0	15.5	5.0	5.0

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (μ H) $\pm$ 20%	DC resistance (m Ω)max	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
HPFS2023B-100	10	8.3	31.5	9.1
HPFS2023B-120	12	8.3	26.0	9.1
HPFS2023B-150	15	9.1	23.5	8.7
HPFS2023B-180	18	8.3	17.5	9.1
HPFS2023B-220	22	9.1	16.5	8.7
HPFS2023B-330	33	12.0	11.0	8.0

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

HPFS2023A 系列

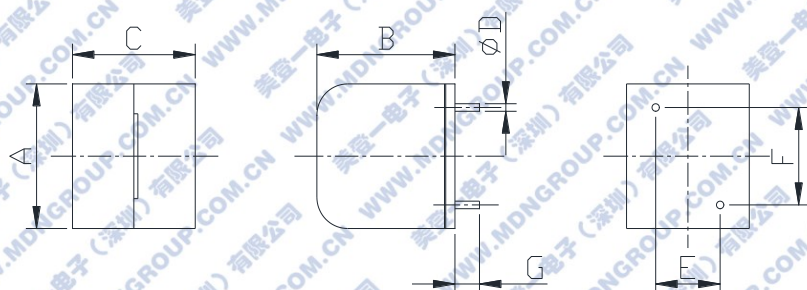
FEATURES

- 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



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。

用 途

- 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。

TYPE	A ± 0.5	B max	C ± 0.5	D	E ± 0.5	F ± 0.5	G ± 1.0
HPFS2023A-100	23.0	23.0	20.0	1.5	10.5	15.5	5.0
HPFS2023A-150	23.0	23.0	20.0	1.5	10.5	15.5	5.0
HPFS2023A-220	23.0	23.0	20.0	1.2	10.5	15.5	5.0
HPFS2023A-330	23.0	23.0	20.0	1.1	10.5	15.5	5.0
HPFS2023A-470	23.0	23.0	20.0	1.0	10.5	15.5	5.0

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (μH) $\pm 20\%$	DC resistance ($\text{m}\Omega$) $\pm 25\%$	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
HPFS2023A-100	10	3.8	35.0	12
HPFS2023A-150	15	4.2	28.0	12
HPFS2023A-220	22	8.1	18.5	10
HPFS2023A-330	33	13.1	15.2	9
HPFS2023A-470	47	18.6	13.0	8

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

HPFS1931A 系列

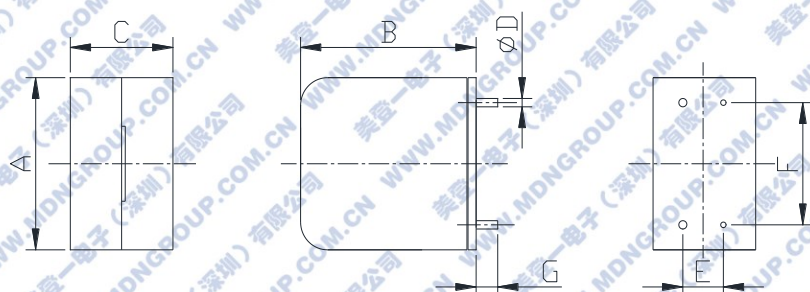
FEATURES

- 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



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。

用 途

- 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。

TYPE	A ± 0.5	B max	C ± 0.5	D	E ± 0.5	F ± 0.5	G ± 1.0
HPFS1931A-100	31.0	33.0	19.0	1.80	7.5	22.0	5.0
HPFS1931A-150	31.0	33.0	19.0	1.60	7.5	22.0	5.0
HPFS1931A-220	31.0	33.0	19.0	1.60	7.5	22.0	5.0
HPFS1931A-330	31.0	33.0	19.0	1.40	7.5	22.0	5.0
HPFS1931A-470	31.0	33.0	19.0	1.20	7.5	22.0	5.0

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (μH) $\pm 20\%$	DC resistance ($\text{m}\Omega$) $\pm 25\%$	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
HPFS1931A-100	10	4.0	>50	20
HPFS1931A-150	15	4.5	40	18
HPFS1931A-220	22	5.6	31	13
HPFS1931A-330	33	8.2	26	12
HPFS1931A-470	47	14.0	22	11