

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

HPFS2023A 系列

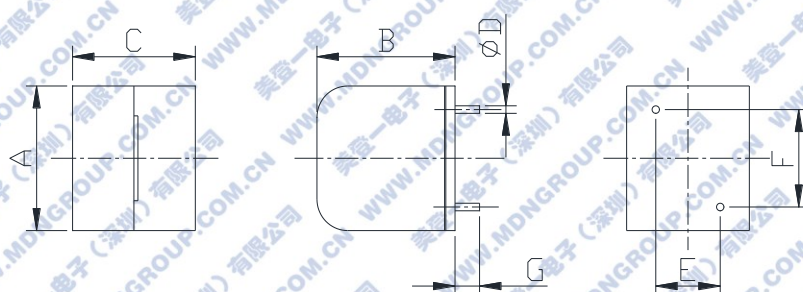
FEATURES

- 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 ± 0.1	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

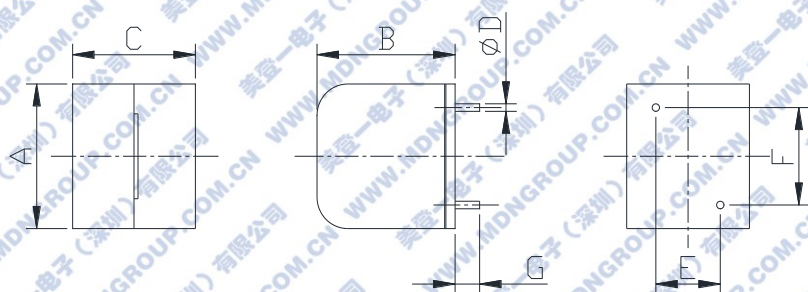
TYPE	Inductance (μH) $\pm 20\%$	DC resistance ($\text{m}\Omega$) Max	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
HPFS2023A-100M	10	5.1	35.0	18
HPFS2023A-150M	15	5.6	28.0	18
HPFS2023A-220M	22	9.6	18.5	14
HPFS2023A-330M	33	17.6	15.2	12
HPFS2023A-470M	47	25.0	13.0	10

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感**HPFS2023S 系列****FEATURES**

- Compact size using flat wire, DIP type.
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DIMENSIONS (mm) AND SHAPE

TYPE	A ± 0.5	B max	C ± 0.5	D ± 0.1	E ± 0.5	F ± 0.5	G ± 1.0
HPFS2023S-	23.0	23.0	20.0	1.2	10.5	15.5	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
HPFS2023S-100M	10	9.6	43	14
HPFS2023S-120M	12	9.6	38	14
HPFS2023S-150M	15	9.6	31	14
HPFS2023S-180M	18	9.6	26	14
HPFS2023S-220M	22	9.6	18.5	14
HPFS2023S-330M	33	9.6	13.5	14
HPFS2023S-470M	47	9.6	9.0	14

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POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

HPFS2023B 系列

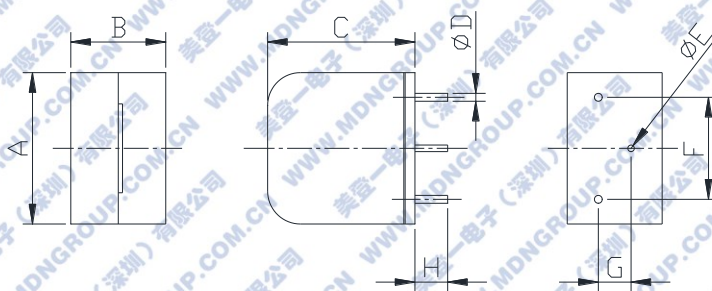
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TYPE	A $\pm$ 0.5	B $\pm$ 0.5	C Max	D $\pm$ 0.1	E $\pm$ 0.1	F $\pm$ 0.5	G $\pm$ 0.5	H $\pm$ 1.0
HPFS2023B-100M	23.0	14.5	23.0	1.2	1.0	15.5	5.0	5.0
HPFS2023B-120M	23.0	14.5	23.0	1.2	1.0	15.5	5.0	5.0
HPFS2023B-150M	23.0	14.5	23.0	1.2	1.0	15.5	5.0	5.0
HPFS2023B-180M	23.0	14.5	23.0	1.2	1.0	15.5	5.0	5.0
HPFS2023B-220M	23.0	14.5	23.0	1.2	1.0	15.5	5.0	5.0
HPFS2023B-330M	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-100M	10	8.3	31.5	9.1
HPFS2023B-120M	12	8.3	26.0	9.1
HPFS2023B-150M	15	9.1	23.5	8.7
HPFS2023B-180M	18	8.3	17.5	9.1
HPFS2023B-220M	22	9.1	16.5	8.7
HPFS2023B-330M	33	12.0	11.0	8.0