

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

HPFD0808B 系列

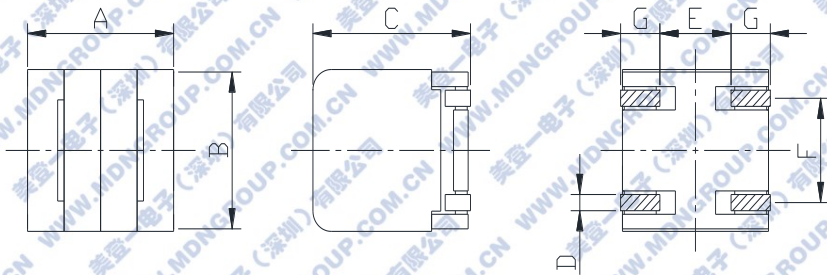
FEATURES

- Compact size using flat wire, SMD type.
- Low radiation noise by magnetically shielded construction.
- Super high current, Low resistance.
- The optimal design realizes high quality sound and low distortion.
- Space reduction is realized by 2 in 1 construction.

APPLICATIONS

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

DIMENSIONS (mm) AND SHAPES



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；
- 高音质低失真的最佳设计；
- 二合一的结构缩小空间。

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 ±0.5	C max	D ±0.3	E ref	F ref	G ref
HPFD0808B-	8.0	8.0	9.0	0.8	4.4	5.0	1.8

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (uH)	DC resistance (mΩ)Max	DC saturation allowable current (A)Typ.	Temperature rise allowable current (A)Typ.
HPFD0808B-4R8	4.8 ± 30%	22.0	6.2	3.6
HPFD0808B-8R0	8.0 ± 30%	36.0	5.0	2.9
HPFD0808B-100	10.0 ± 20%	40.0	4.3	2.7
HPFD0808B-150	15.0 ± 20%	54.0	3.6	2.3
HPFD0808B-220	22.0 ± 20%	90.0	3.0	1.8

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HPID0910B 系列

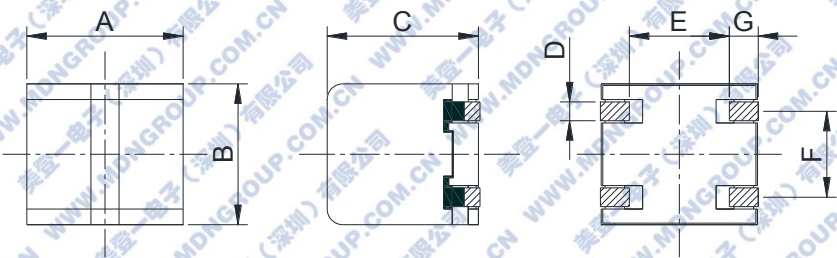
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TYPE	A \pm 0.8	B \pm 0.8	C max	D ref	E ref	F ref	G ref
HPID0910B-	10.0	9.0	10.0	1.2	6.2	5.5	1.9

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (uH) \pm 25%	DC resistance (m Ω) max	DC saturation allowable current (A) max	Temperature rise allowable current (A) max
HPID0910B-3R3	3.3	11.5 (9.6)	8.1	4.8
HPID0910B-8R2	8.2	18.0 (15.0)	5.2	4.0
HPID0910B-100	10	22.0 (18.0)	5.0	3.9
HPID0910B-120	12	25.0 (22.0)	4.3	3.4
HPID0910B-150	15	44.0 (36.0)	4.1	2.8
HPID0910B-220	22	52.0 (43.0)	3.2	2.5

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HPFD0910B 系列

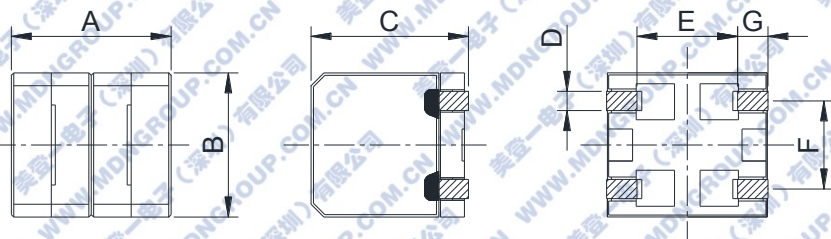
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HPFD0910B-	10.0	9.0	10.0	1.2	6.2	5.5	1.9

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (uH) \pm 25%	DC resistance (m Ω)max	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
HPFD0910B-3R3	3.3	11.5 (9.6)	8.1	4.8
HPFD0910B-8R2	8.2	18.0 (15.0)	5.2	4.0
HPFD0910B-100	10	22.0 (18.0)	5.0	3.9
HPFD0910B-120	12	25.0 (22.0)	4.3	3.4
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POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

HPFD1010B 系列

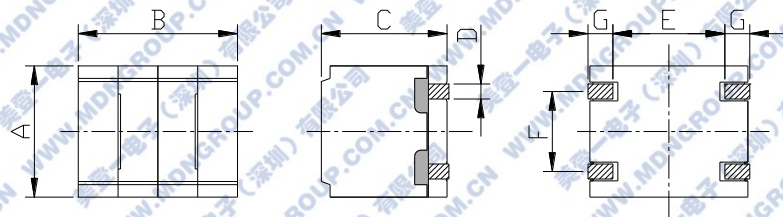
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DIMENSIONS (mm) AND SHAPES



TYPE	A ± 0.5	B ± 0.8	C max	D ref	E ref	F ref	G ref
HPFD1010B/C-	10.5	12.8	10.5	1.2	9.0	6.4	1.9

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (uH) ± 25%	DC resistance (m Ω) max	DC saturation allowable current (A) max	Temperature rise allowable current (A) max
HPFD1010C-100	10	25	8.5	3.7
HPFD1010B-100	10	18	7.1	4.2
HPFD1010B-120	12	20	6.0	4.0
HPFD1010B-150	15	23	5.3	3.8
HPFD1010B-220	22	38	4.3	3.5

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HPFD1316B 系列

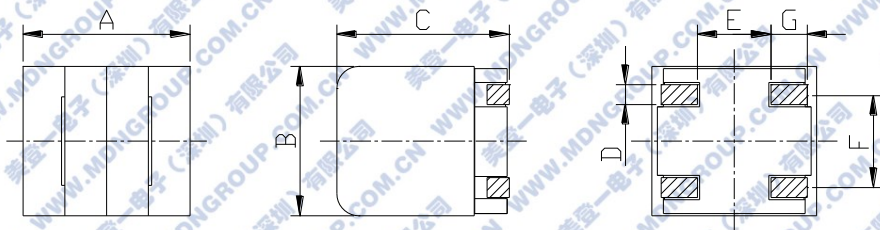
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TYPE	A \pm 0.5	B \pm 0.5	C max	D \pm 0.2	E ref	F ref	G ref
HPFD1316B-	15.0	13.5	By P/N	1.8	6.7	8.4	3.3

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (uH)	DC resistance (m Ω) \pm 30%	DC saturation allowable current (A)Typ.	Temperature rise allowable current (A)Typ.	Dimension C (mm)Max
HPFD1316B-5R0	5.0 \pm 30%	5.5	16.3	9.1	16.0
HPFD1316B-100	10.0 \pm 20%	9.0	11.1	6.2	16.0
HPFD1316B-150	15.0 \pm 20%	11	9.0	5.8	17.5
HPFD1316B-220	22.0 \pm 20%	14	7.5	5.0	17.5

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HPFD1416A 系列

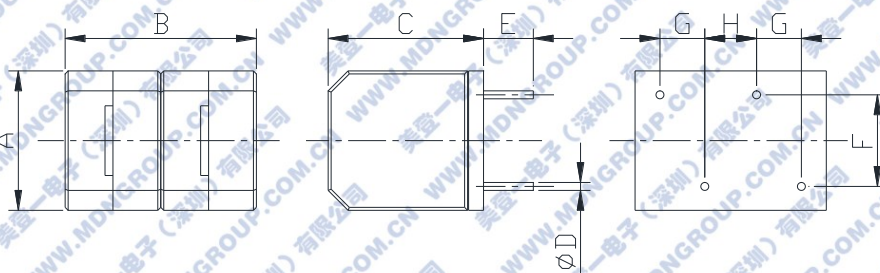
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DIMENSIONS (mm) AND SHAPES



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TYPE	A±0.5	B±0.8	C max	D ref	E±1.0	F±0.5	G±0.5	H±0.5
HPFD1416A-100	14.0	19.6	16.0	0.80	4.0	8.5	4.5	5.2
HPFD1416A-150	14.0	19.6	16.0	0.80	4.0	8.5	4.5	5.2
HPFD1416A-220	14.0	19.6	16.0	0.70	4.0	8.5	4.5	5.2
HPFD1416A-330	14.0	19.6	16.0	0.65	4.0	8.5	4.5	5.2

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (uH) ±20%	DC resistance (mΩ) max	DC saturation allowable current (A) max	Temperature rise allowable current (A) max
HPFD1416A-100	10	15.0	11.5	7.0
HPFD1416A-150	15	18.0	10.0	6.0
HPFD1416A-220	22	20.0	8.0	5.5
HPFD1416A-330	33	28.0	5.5	5.0

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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HPFD1416C 系列

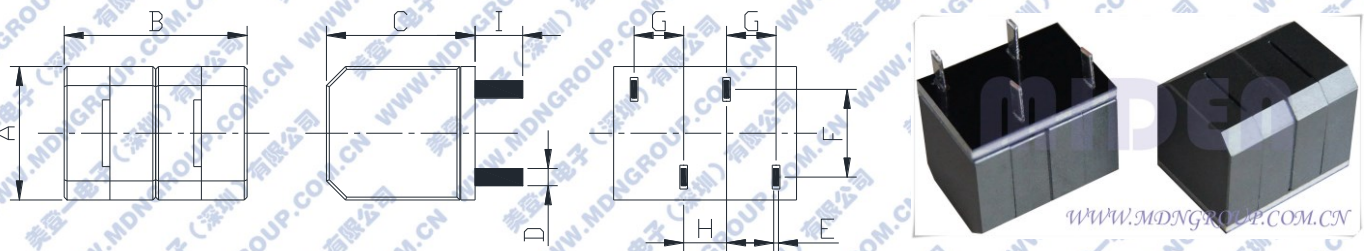
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DIMENSIONS (mm) AND SHAPES



TYPE	A±0.5	B±0.8	C max	D±0.2	E±0.1	F±0.5	G±0.5	H±1.0	I±0.5
HPFD1416C-100	14.0	19.6	16.0	1.80	0.50	9.2	5.2	4.5	4.0
HPFD1416C-120	14.0	19.6	16.0	1.80	0.50	9.2	5.2	4.5	4.0
HPFD1416C-150	14.0	19.6	16.0	1.80	0.35	9.2	5.2	4.5	4.0
HPFD1416C-220	14.0	19.6	16.0	1.80	0.35	9.2	5.2	4.5	4.0
HPFD1416C-330	14.0	19.6	16.0	1.80	0.35	9.2	5.2	4.5	4.0

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (uH) ±20%	DC resistance (mΩ) max	DC saturation allowable current (A) max	Temperature rise allowable current (A) max
HPFD1416C-100	10	8.0(5.8)	15	10
HPFD1416C-120	12	9.0(6.5)	13	9
HPFD1416C-150	15	13.0(9.9)	12	8
HPFD1416C-220	22	16.0(12.0)	10	7
HPFD1416C-330	33	20.0(16.2)	9	5

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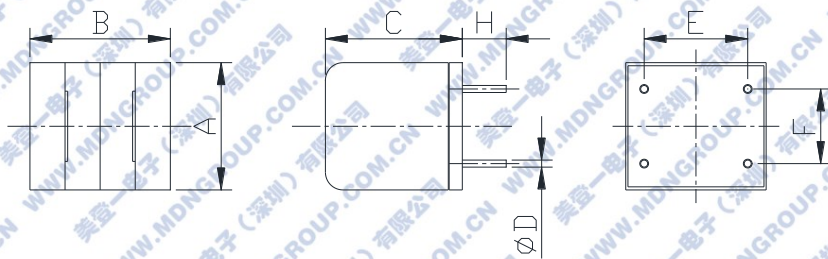
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TYPE	A±0.5	B±0.8	C max	D±0.1	E±0.5	F±0.5	G±0.5	H±1.0
HPFD1516A-	14.0	15.5	16.0	-	11.8	8.5	-	4.0

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (uH)±20%	DC resistance (mΩ) max	DC saturation allowable current (A) max	Temperature rise allowable current (A) max	Dimension D(mm)
HPFD1516A-100	10	11.0	11.0	7.0	0.8
HPFD1516A-150	15	16.5	8.4	5.4	0.7
HPFD1516A-220	22	18.0	6.2	5.1	0.7
HPFD1516A-330	33	22.0	5.5	4.5	0.6

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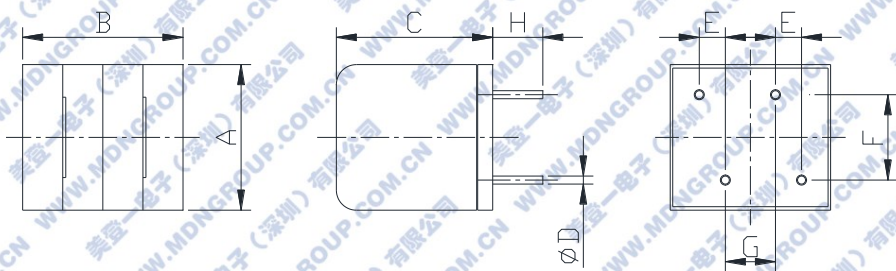
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TYPE	A \pm 0.5	B \pm 0.8	C Max	D \pm 0.1	E \pm 0.5	F \pm 0.5	G \pm 0.5	H \pm 1.0
HPFD1516B-	14.0	15.5	16.0	-	4.0	8.5	3.8	4.0

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (μ H) \pm 20%	DC resistance ($m \Omega$) max	DC saturation allowable current (A) max	Temperature rise allowable current (A) max	Dimension D(mm)
HPFD1516B-100	10	11.0	11.0	7.0	0.8
HPFD1516B-150	15	16.5	8.4	5.4	0.7
HPFD1516B-220	22	18.0	6.2	5.1	0.7
HPFD1516B-330	33	22.0	5.5	4.5	0.6

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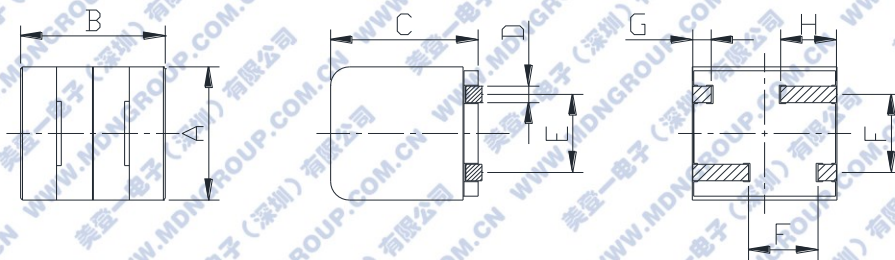
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TYPE	A ±0.5	B ±0.8	C max	D ±0.1	E ±0.5	F ref	G ref	H ref
HPFD1516T-	14.0	16.0	16.0	1.8	8.5	7.2	2.0	6.0

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (uH) ±25%	DC resistance (mΩ) ±30%	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
HPFD1516T-7R0	7.0	5.5	12.5	10.0
HPFD1516T-100	10	7.2	11.0	9.0
HPFD1516T-150	15	10.0	8.4	8.0
HPFD1516T-220	22	10.8	6.2	6.0

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HPFD1521A 系列

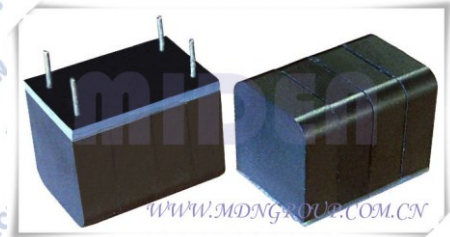
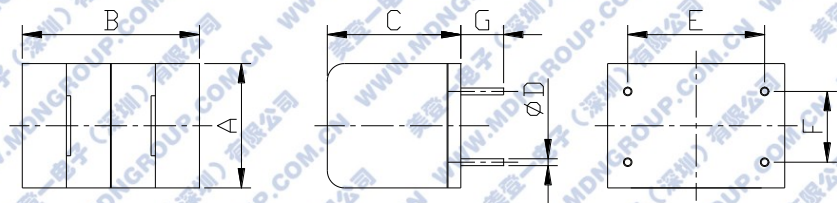
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HPFD1521A-100	14.5	21.5	16.0	0.90	16.5	8.0	4.0
HPFD1521A-150	14.5	21.5	16.0	0.80	16.5	8.0	4.0
HPFD1521A-220	14.5	21.5	16.0	0.70	16.5	8.0	4.0
HPFD1521A-330	14.5	21.5	16.0	0.70	16.5	8.0	4.0

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (uH) \pm 20%	DC resistance (m Ω)max	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
HPFD1521A-100	10	11.0	14.0	7.7
HPFD1521A-150	15	16.0	12.5	6.4
HPFD1521A-220	22	26.0	10.0	5.5
HPFD1521A-330	33	33.0	8.5	5.0

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

HPFD1521N 系列

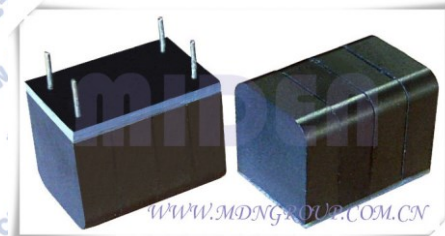
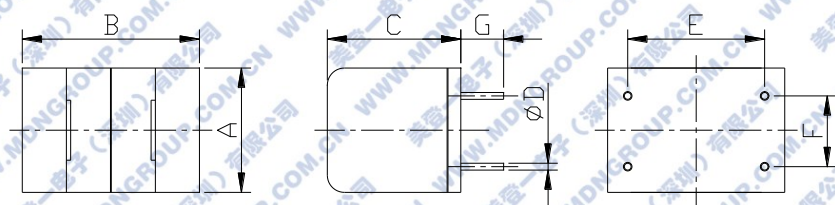
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用 途

- 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 0.5	B Max	C Max	D \pm 0.1	E \pm 0.5	F \pm 0.5	G \pm 1.0
HPFD1521N-100	14.0	21.5	16.0	0.90	15.5	8.5	4.0
HPFD1521N-150	14.0	21.5	16.0	0.80	15.5	8.5	4.0
HPFD1521N-220	14.0	21.5	16.0	0.70	15.5	8.5	4.0
HPFD1521N-330	14.0	21.5	16.0	0.70	15.5	8.5	4.0

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (uH) \pm 20%	DC resistance (m Ω)max	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
HPFD1521N-100	10	13.0	14.0	7.7
HPFD1521N-150	15	18.0	12.5	6.4
HPFD1521N-220	22	26.0	10.0	5.5
HPFD1521N-330	33	33.0	8.5	5.0