

## POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

## HPFS1416L 系列

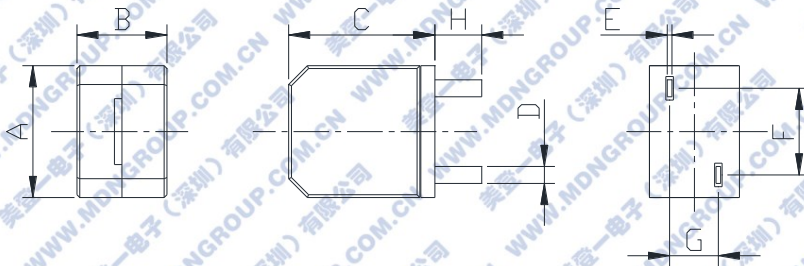
## FEATURES

- 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 $\pm$ 0.3	B $\pm$ 0.5	C max	D $\pm$ 0.1	E $\pm$ 0.1	F $\pm$ 0.5	G $\pm$ 0.5	H $\pm$ 0.5
HPFS1416L-	14.0	7.6	16.0	*	*	9.2	3.3	5.0

## ELECTRICAL CHARACTERISTICS

TYPE	Inductance ( $\mu$ H) $\pm$ 20%	DC resistance (m $\Omega$ )max	I <sub>SAT</sub> (A)max	I <sub>RMS</sub> (A)max	Dimension	
					D <sub>ref</sub>	E <sub>ref</sub>
HPFS1416L-100	10	6.5(4.9)	8.3	7.8	1.80	0.45
HPFS1416L-120	12	8.0(6.1)	7.2	6.9	1.80	0.40
HPFS1416L-150	15	11.0(8.5)	6.4	6.6	1.80	0.35
HPFS1416L-180	18	13.6(10.5)	5.7	5.8	1.80	0.30
HPFS1416L-220	22	18.0(13.7)	5.2	5.0	1.80	0.25

## 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。

## POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

## HPFS1416A 系列

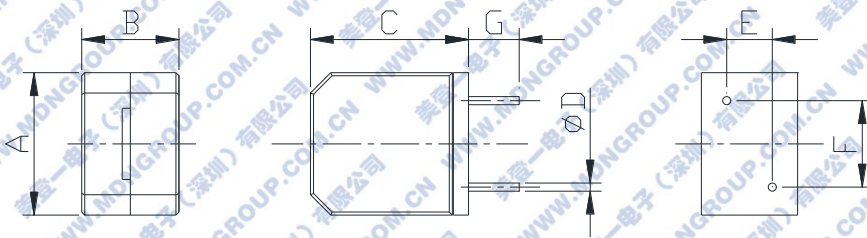
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## APPLICATIONS

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## DIMENSIONS (mm) AND SHAPES



TYPE	A $\pm$ 0.3	B $\pm$ 0.5	C Max	D $\pm$ 0.1	E $\pm$ 0.1	F $\pm$ 0.5	G $\pm$ 1.0
HPFS1416A-	14.0	9.6	16.0	*	4.5	8.5	5.0

## ELECTRICAL CHARACTERISTICS

TYPE	Inductance ( $\mu$ H) $\pm$ 20%	DC resistance (m $\Omega$ )max	I <sub>SAT</sub> (A)max	I <sub>RMS</sub> (A)max	Dimension
					D
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

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## POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

## HPFS1416B 系列

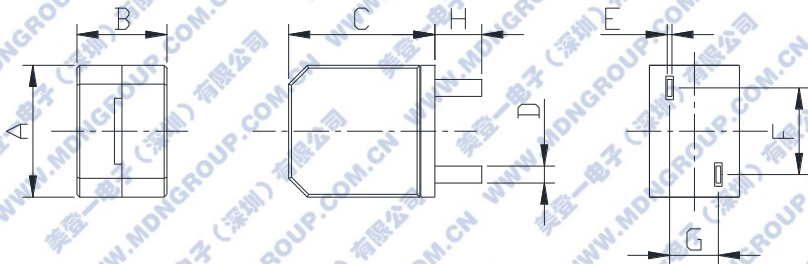
## FEATURES

- 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.

## 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；
- 高音质低失真的最佳设计；

## 用 途

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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 (uH)±20%	DC resistance (mΩ)max	IsAT (A)max	I <sub>RMS</sub> (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

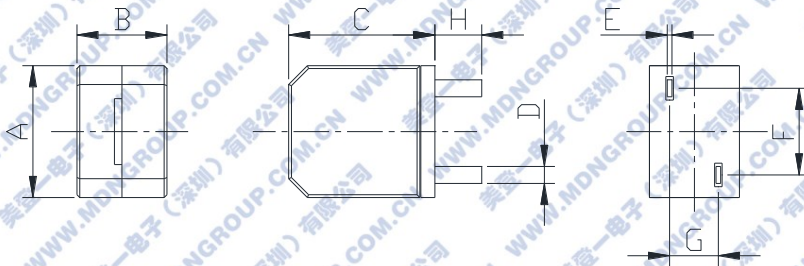
## FEATURES

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## APPLICATIONS

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## DIMENSIONS (mm) AND SHAPES



TYPE	A $\pm$ 0.3	B $\pm$ 0.5	C max	D $\pm$ 0.1	E $\pm$ 0.1	F $\pm$ 0.5	G $\pm$ 0.8	H $\pm$ 0.5
HPFS1416C-	14.0	9.6	16.0	*	*	9.2	4.5	5.0

## ELECTRICAL CHARACTERISTICS

TYPE	Inductance ( $\mu$ H) $\pm$ 20%	DC resistance (m $\Omega$ )max	I <sub>SAT</sub> (A)max	I <sub>RMS</sub> (A)max	Dimension	
					D <sub>ref</sub>	E <sub>ref</sub>
HPFS1416C-100	10	8.0(5.8)	15	10	1.80	0.35
HPFS1416C-120	12	9.0(6.5)	13	9	1.80	0.35
HPFS1416C-150	15	13.0(9.9)	12	8	1.80	0.35
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

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