

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

## HPFD1316B 系列

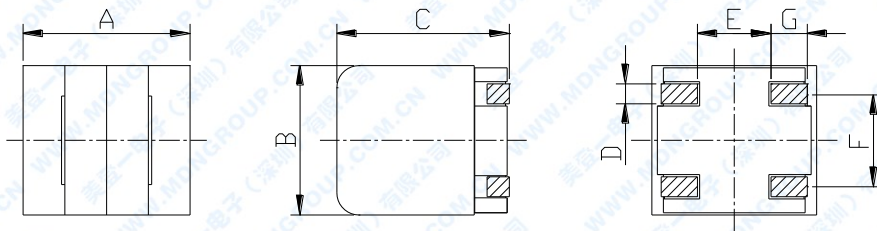
## FEATURES

- 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



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 @100KHz/0.25V ( $\mu$ H)	DC resistance ( $m\Omega$ ) $\pm$ 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

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

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

## 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；
- 高品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。