

HIGH CURRENT POWER INDUCTORS 大电流功率电感

HPCE1470 系列

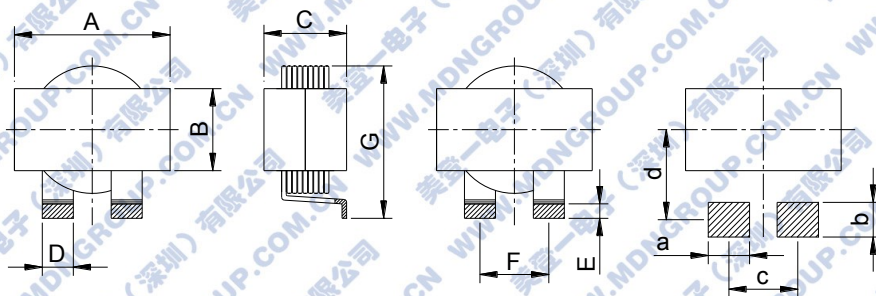
FEATURES

- Compact size using flat wire, SMD type.
- Low radiation noise by magnetically shielded construction.
- Super high current and achieve a low DC resistance.
- The core has high saturation flux and excellent DC bias, low core loss.

APPLICATIONS

- Suitable as choke for digital amp, power filter and PFC circuit. AMP of Car audio, LED TV, 5.1ch Home theater, the CPU and GPU's power supply circuit for notebook and PC etc.

DIMENSIONS (mm) AND SHAPES



TYPE	A ± 0.5	B ± 0.5	C max	D ± 0.3	E ± 0.5	F ± 0.5	G max	a ref	b ref	c ref	d ref
HPCE1470	14.5	6.7	6.7	2.6	2.0	7.5	14.0	4.5	4.5	7.5	7.0

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (uH) $\pm 20\%$	DC resistance (m Ω) Max	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
HPCE1470-2R5M	2.50	3.10	16.0	18.0
HPCE1470-3R3M	3.30	3.10	12.0	18.0
HPCE1470-4R7M	4.70	3.10	8.0	18.0

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，极低的直流电阻；
- 采用具高饱和磁通，优秀的直流叠加特性及低功耗磁芯。

用 途

- 适用于数字功放扼流、电源滤波及功率因素校正等电流。如汽车音响，LED 智能电视，5.1 声道家庭影院等功放电路，笔记本和电脑 CPU 和 GPU 的供电电路等。

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HPCE2212 系列

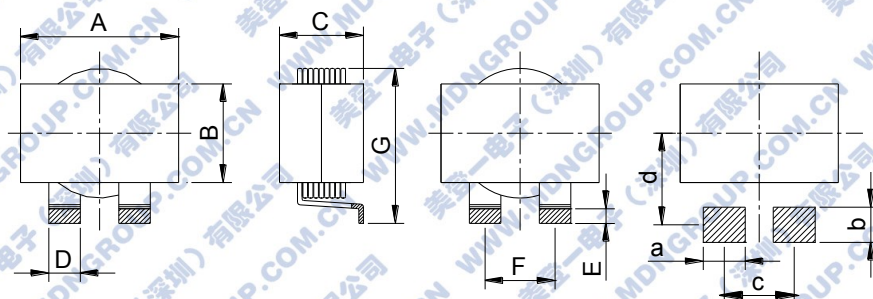
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DIMENSIONS (mm) AND SHAPES



TYPE	A ± 0.5	B ± 0.5	C max	D ± 0.3	E ± 0.5	F ref	G max	a ref	b ref	c ref	d ref
HPCE2212-	22.6	14.0	12.0	4.5	2.5	10.0	22.5	6.0	5.0	10.0	11.0

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
HPCE2212-2R2M	2.20	3.30	64	22
HPCE2212-3R3M	3.30	4.50	49	19
HPCE2212-4R7M	4.70	4.50	33	19
HPCE2212-6R8M	6.80	4.50	29	19
HPCE2212-100M	10.0	5.20	20	16
HPCE2212-220M	22.0	15.2	15	13
HPCE2212-330M	33.0	15.2	11	13
HPCE2212-470M	47.0	15.2	8	13

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HPCE2580 系列

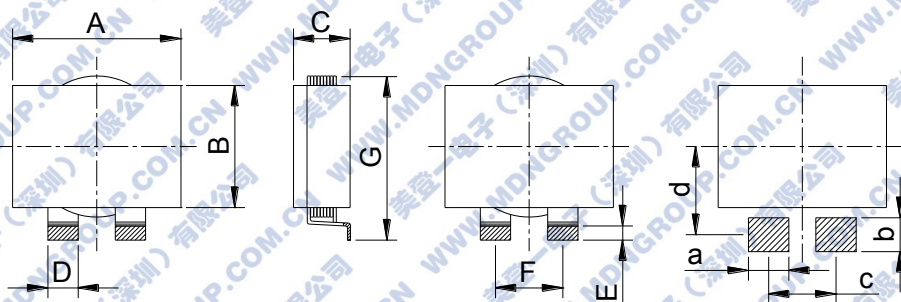
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DIMENSIONS (mm) AND SHAPES



TYPE	A ± 0.5	B ± 0.5	C max	D ± 0.3	E ± 0.5	F ref	G max	a ref	b ref	c ref	d ref
HPCE2580-	25.0	18.0	8.4	4.5	2.5	10.0	25.0	6.0	5.0	10.0	13.0

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (uH) $\pm 20\%$	DC resistance (m Ω) Max	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
HPCE2580-1R5M	1.50	2.00	60	28
HPCE2580-3R3M	3.30	3.00	38	26
HPCE2580-4R7M	4.70	3.00	30	26
HPCE2580-6R8M	6.80	3.70	23	23
HPCE2580-100M	10.0	5.60	20	18
HPCE2580-150M	15.0	8.80	16	15
HPCE2580-220M	22.0	8.80	12	15
HPCE2580-330M	33.0	8.80	9	15

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