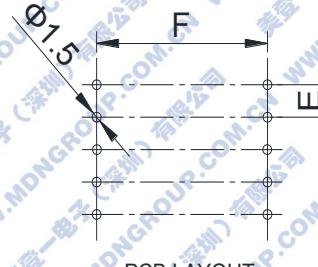
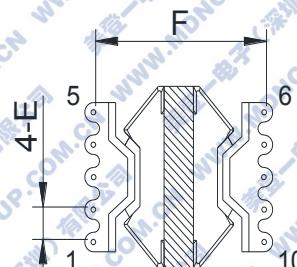
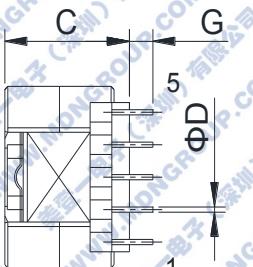
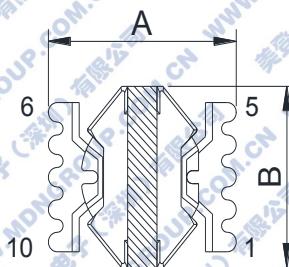


POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感**LM10 系列****FEATURES**

- Low DC resistance using stc wire, DIP type.
- Low radiation noise by magnetically shielded construction.
- Super high current.
- 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 PCB LAYOUT

TYPE	Amm (± 0.8)	Bmm (± 0.8)	Cmm (± 0.5)	Dmm (ref)	Emm (± 0.5)	Fmm (± 0.5)	Gmm (± 1.0)	Hmm (ref)	Imm (ref)
LM10-SERIES	38.5	38.5	23.7	2.6	38.0	25.0	5.0	38.0	25.0

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (uH) ± 20% @100KHz&0.25V	DC resistance (mΩ) Max	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
LM10-100	10	25.0	40.0	20.0
LM10-150	15	25.0	35.0	20.0
LM10-220	22	25.0	30.0	20.0
LM10-330	33	25.0	22.0	20.0
LM10-470	47	25.0	12.0	20.0

REMARK: 1、DC saturation allowable current: Value of inductance decrease within -30%;

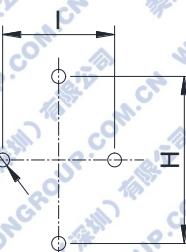
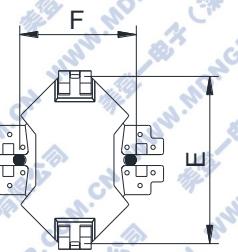
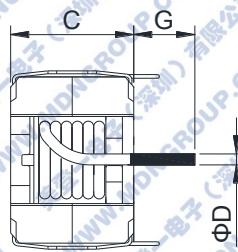
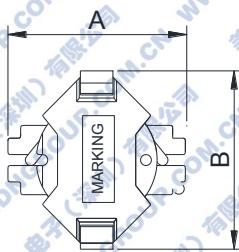
2、Temperature rise allowable current: A rise in temperature of core surface is within 40 °C。

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感**LM12 系列****FEATURES**

- Low DC resistance using stc wire, DIP type.
- Low radiation noise by magnetically shielded construction.
- Super high current.
- 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 PCB LAYOUT

TYPE	Amm (±0.8)	Bmm (±0.8)	Cmm (±0.5)	Dmm (ref)	Emm (±0.5)	Fmm (±0.5)	Gmm (±1.0)	Hmm (ref)	Imm (ref)
LM12-SERIES	38.5	38.5	23.7	2.6	38.0	25.0	5.0	38.0	25.0

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (uH)±20% @100KHz&0.25V	DC resistance (mΩ) Max	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
LM12-100	10	10.0	45.0	35.0
LM12-150	15	10.0	40.0	35.0
LM12-220	22	10.0	36.0	35.0
LM12-330	33	10.0	28.0	35.0
LM12-470	47	10.0	20.0	35.0

REMARK: 1、DC saturation allowable current: Value of inductance decrease within -30%;

2、Temperature rise allowable current: A rise in temperature of core surface is within 40°C。

HIGH CURRENT POWER INDUCTORS 大电流功率电感**LM14 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.

特征

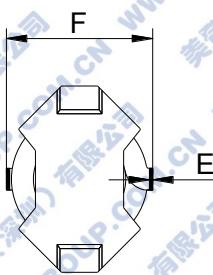
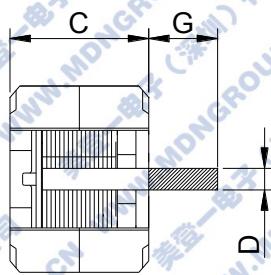
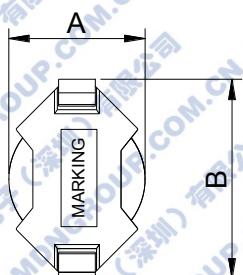
- 扁平线小尺寸，贴片类型；
- 闭磁路封装，低辐射；
- 超大的额定电流，极低的直流电阻；
- 采用具高饱和磁通，优秀的直流叠加特性及低功耗磁芯。

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.

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。

DIMENSIONS (mm) AND SHAPES

TYPE	A Max	B Max	C Max	D±0.3	E±0.2	F Ref	G±1.0
LM14-SERIES	30.0	46.0	30.0	5.0	1.0	30.0	8

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (μ H)±25% @100KHz&0.25V	DC resistance (m Ω) Max	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
LM14-100M	10	10	>50	>50
LM14-150M	15	10	36	>50
LM14-220M	22	10	28	>50
LM14-330M	33	10	18	>50
LM14-470M	47	10	13	>50