

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感**SER1052 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

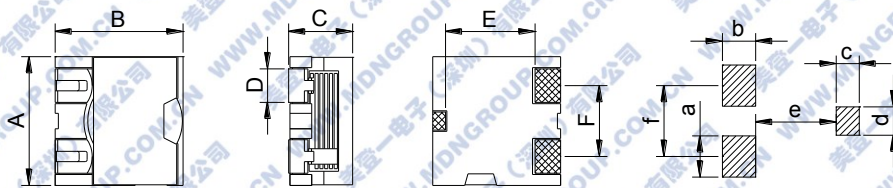
- Suitable as choke for digital amp. Car audio, LCD and PDP TV, 5.1ch Home theater, etc.

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。

DIMENSIONS (mm) AND SHAPES

TYPE	A	B	C	D	E	F	a	b	c	d	e	f
	±0.5	±0.5	Max	±0.1	±0.5	±0.3	Ref	Ref	Ref	Ref	Ref	Ref
SER1052-	10.2	10.2	6.0	2.6	6.7	5.5	3.2	2.6	1.8	2.2	6.3	5.5

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (uH) ±20%	DC resistance (mΩ) Max	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
SER1052-R80M	0.80	4.0	25.6	16.3
SER1052-1R0M	1.0	4.0	17.5	16.3
SER1052-1R2M	1.2	6.0	21.3	15.0
SER1052-1R3M	1.3	4.0	17.2	16.3
SER1052-1R5M	1.5	4.0	14.5	15.0
SER1052-1R8M	1.8	6.0	14.3	15.0
SER1052-2R0M	2.0	9.0	16.2	11.5
SER1052-2R2M	2.2	4.0	10.0	16.3
SER1052-2R5M	2.5	7.5	12.1	12.0
SER1052-3R3M	3.3	6.0	8.5	15.0
SER1052-4R0M	4.0	9.0	8.8	11.5
SER1052-4R3M	4.3	7.5	7.0	12.0
SER1052-5R7M	5.7	9.0	6.0	11.5

Remark : DC saturation current: Value of inductance decrease within 30%.

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

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感**SER1360 系列****FEATURES**

- Low radiation noise by magnetically shielded construction.
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APPLICATIONS

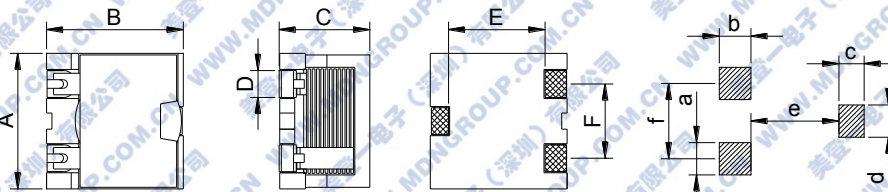
- Suitable as choke for digital amp. Car audio, LCD and PDP TV, 5.1ch Home theater, etc.

特 征

- 闭磁路封装，低辐射；
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DIMENSIONS (mm) AND SHAPES

TYPE	A	B	C	D	E	F	a	b	c	d	e	f
	±0.5	±0.5	Max	±0.1	±0.5	±0.3	Ref	Ref	Ref	Ref	Ref	Ref
SER1360-	12.6	12.9	6.5	2.6	9.0	6.9	3.0	3.0	2.8	3.0	8.2	6.9

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (uH) ± 20%	DC resistance (mΩ) Max	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
SER1360-R33M	0.33	0.85	43	17
SER1360-R65M	0.65	0.85	28	17
SER1360-1R0M	1.0	2.60	34	13
SER1360-1R8M	1.8	2.60	20	13
SER1360-2R7M	2.7	2.60	14	13
SER1360-4R0M	4.0	6.05	13	9.5
SER1360-4R7M	4.7	6.05	12	9.5
SER1360-6R0M	6.0	6.05	9.5	9.5
SER1360-8R0M	8.0	10.81	9.0	7.6
SER1360-100M	10	10.81	7.5	7.2

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POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

SER1390 系列

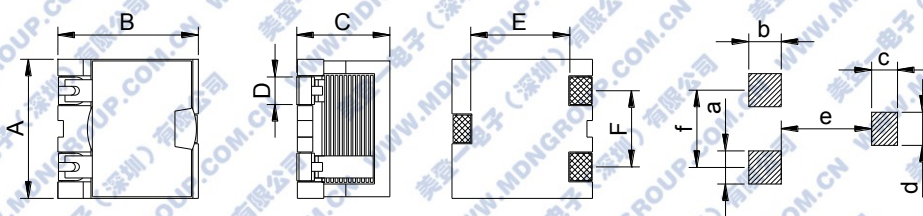
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APPLICATIONS

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DIMENSIONS (mm) AND SHAPES



TYPE	A	B	C	D	E	F	a	b	c	d	e	f
	±0.8	±0.8	Max	±0.1	±0.5	±0.3	Ref	Ref	Ref	Ref	Ref	Ref
SER1390-	12.6	12.9	9.0	2.6	9.0	6.9	3.0	3.0	2.8	3.0	8.2	6.9

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (uH) ± 20%	DC resistance (mΩ) Max	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
SER1390-100M	10	15.0	13.16	9.2
SER1390-150M	15	15.0	8.60	9.2
SER1390-220M	22	23.1	7.36	7.7
SER1390-330M	33	23.1	4.76	7.7
SER1390-470M	47	23.1	3.20	7.7

Remark : DC saturation current: Value of inductance decrease within 30%.

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POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

SER1512 系列

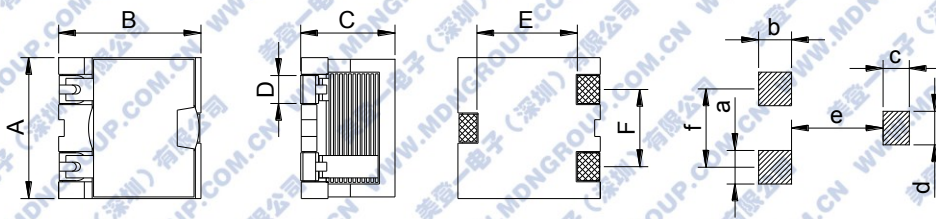
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DIMENSIONS (mm) AND SHAPES



TYPE	A	B	C	D	E	F	a	b	c	d	e	f
	±0.8	±0.8	Max	±0.1	±0.5	±0.3	Ref	Ref	Ref	Ref	Ref	Ref
SER1512-	14.5	14.8	12.0	2.6	10.85	9.0	3.0	3.0	2.8	2.5	10.2	9.0

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (uH) ± 20%	DC resistance (mΩ) Max	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
SER1512-4R7M	4.7	3.1	20.1	18.1
SER1512-100M	10	3.7	11.3	15.7
SER1512-220M	22	8.4	8.0	11.8

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