

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

SER2900 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.

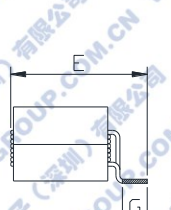
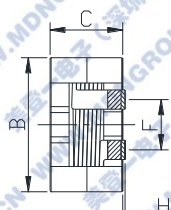
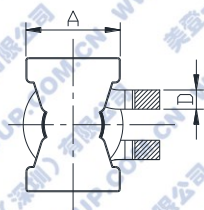
特 征

- 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；

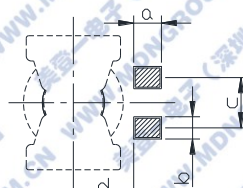
用 途

- 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



LAND PATTERN



TYPE	A Max	B Max	C Max	D ± 0.1	E ± 1.0	F ± 0.3	G ± 1.0	H Ref	a Ref	b Ref	c Ref	d Ref
SER2915L-	19.5	27.5	15.0	3.80	28.0	10.2	5.0	0.25	6.5	5.0	11.5	10.2
SER2915H-	19.5	27.5	15.0	3.80	28.0	10.2	5.0	0.25	6.5	5.0	11.5	10.2
SER2918H-	19.5	27.5	17.5	3.80	28.0	10.2	5.0	0.25	6.5	5.0	11.5	10.2

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (μH) $\pm 20\%$ @1KHz/0.25V	DC Resistance ($\text{m}\Omega$)						DC Saturation allowable current <30% drop (A)Max			Temperature rise allowable current <40°C rise (A)Max		
		Nom	Max	Nom	Max	Nom	Max						
		2915L	2915L	2915H	2915H	2918H	2918H	2915L	2915H	2918H	2915L	2915H	2918H
-1R5	1.5	1.50	1.65					>100			30		
-2R2	2.2	1.50	1.65	1.86	2.05			85	>100		30	30	
-3R3	3.3	1.50	1.65	1.86	2.05	2.60	2.86	57	68	94	30	30	28
-4R7	4.7	1.50	1.65	1.86	2.05	2.60	2.86	39	50	62	30	30	28
-6R8	6.8	1.50	1.65	1.86	2.05	2.60	2.86	28	36	46	30	30	28
-100	10.0	1.50	1.65	1.86	2.05	2.60	2.86	17.5	23.5	32.0	30	30	28
-150	15.0	1.50	1.65	1.86	2.05	2.60	2.86	11.0	15.0	22.0	30	30	28
-220	22.0	1.50	1.65	1.86	2.05	2.60	2.86	6.8	9.6	15.0	30	30	28
-330	33.0	1.50	1.65	1.86	2.05	2.60	2.86	3.3	5.9	9.6	30	30	28
-470	47.0	1.50	1.65	1.86	2.05	2.60	2.86	2.3	4.1	6.5	30	30	28

POWER INDUCTORS FOR DIGITAL AMPLIFIER 数字功放电感

SER3018H 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.

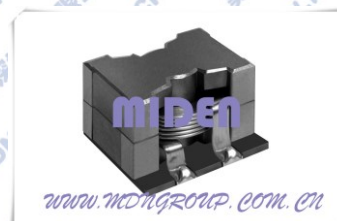
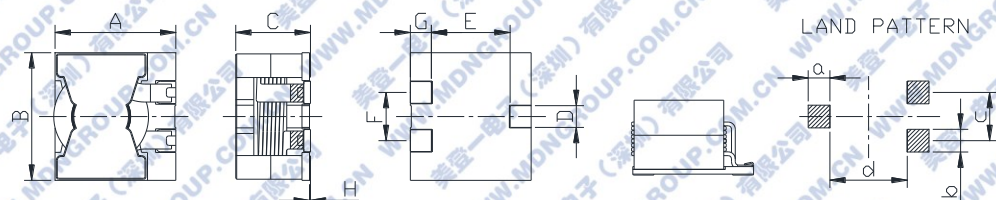
特 征

- 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 Max	B Max	C Max	D ± 0.3	E ± 0.5	F ± 0.3	G Ref	H Ref	a Ref	b Ref	c Ref	d Ref
SER3018H-	26.5	27.5	18.0	4.7	16.4	10.2	4.6	0.25	6.5	5.5	10.2	16.0

ELECTRICAL CHARACTERISTICS

TYPE	Inductance (μH) $\pm 20\%$ @1KHz/0.25V	DC resistance ($\text{m}\Omega$)		DC Saturation allowable current <30% drop (A)Max	Temperatrue rise allowable current <40℃ rise (A)Max
		Nom	Max		
-3R3	3.3	2.56	2.82	93.6	28
-4R7	4.7	2.56	2.82	62.4	28
-6R8	6.8	2.56	2.82	45.9	28
-100	10.0	2.56	2.82	32.1	28
-150	15.0	2.56	2.82	21.9	28
-220	22.0	2.56	2.82	15.0	28
-330	33.0	2.56	2.82	9.6	28
-470	47.0	2.56	2.82	6.5	28