

毅力电子有限公司 Y.L.ELECTRONICS CO.,LTD

SMT POWER INDUCTORS (SHIELDED)

YLS06/YLS07/YLS10/YLS12 SERIES

1.FEATURES

- High performance (I Sat) realized by metal dust core.
- Low loss realized with low DCR .
- Ultra low buzz noise, due to composite construction.
- 100% lead (Pb) free meet RoHS Standard.

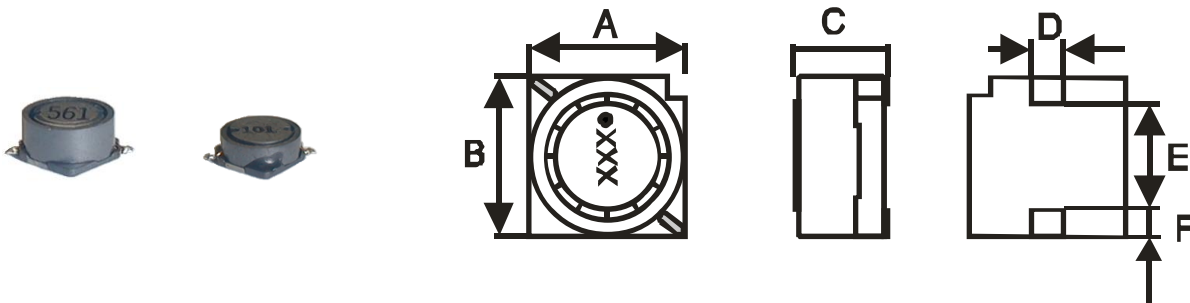
2.APPLICATIONS

- DC/DC converter for CPU in notebook PC.
- Power supply for VTR,OA equipment Digital camera,LCD television set notebook PC. Etc.

3.PART NUMBERING SYSTEM

YLS 0625FS - 100 M
1 2 3 4
SERIES NAME DIMENSIONS INDUCTANCE TOLERANCE

4.MECHANICAL DRAWING



5.DINENSIONS (UNIT:mm)

No.	SERIES	A (MAX)	B (MAX)	C (MAX)	D (REF.)	E (TYP.)	F (TYP.)
1	YLS0625FS	6.2	6.2	2.7	2.0	4.0	0.9
2	YLS0628FS	6.2	6.2	3.0	2.0	4.0	0.9
3	YLS0730FS	7.2	7.2	3.2	2.0	4.9	0.9
4	YLS0732FS	7.2	7.2	3.4	2.0	4.9	0.9
5	YLS0745FS	7.2	7.2	4.8	2.0	4.9	0.9
6	YLS1045FS	10.4	10.4	4.8	3.0	6.0	2.0
7	YLS1255FS	12.8	12.8	5.8	3.0	8.6	2.0
8	YLS1265FS	12.8	12.8	6.85	3.0	8.6	2.0
9	YLS1275FS	12.8	12.8	7.85	3.0	8.6	2.0

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Industrial xiang tang yun xiao town zhangzhou city fujian
province

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毅力电子有限公司 Y.L.ELECTRONICS CO.,LTD

SMT POWER INDUCTORS (SHIELDED)

贴片功率电感

YLS0625FS SERIES

Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS0625FS-4R7M	4R7	4.7	1 KHZ	0.0367	1.50
YLS0625FS-6R8M	6R8	6.8	1 KHZ	0.0530	1.30
YLS0625FS-100M	100	10	1 KHZ	0.0688	1.00
YLS0625FS-150M	150	15	1 KHZ	0.102	0.88
YLS0625FS-220M	220	22	1 KHZ	0.146	0.73
YLS0625FS-330M	330	33	1 KHZ	0.216	0.59
YLS0625FS-470M	470	47	1 KHZ	0.288	0.48
YLS0625FS-680M	680	68	1 KHZ	0.444	0.42
YLS0625FS-101M	101	100	1 KHZ	0.60	0.33

YLS0628FS SERIES

Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS0628FS-4R7M	4R7	4.7	1 KHZ	0.0340	1.60
YLS0628FS-6R8M	6R8	6.8	1 KHZ	0.0424	1.50
YLS0628FS-100M	100	10	1 KHZ	0.0638	1.30
YLS0628FS-150M	150	15	1 KHZ	0.0894	1.00
YLS0628FS-220M	220	22	1 KHZ	0.124	0.77
YLS0628FS-330M	330	33	1 KHZ	0.177	0.69
YLS0628FS-470M	470	47	1 KHZ	0.252	0.59
YLS0628FS-680M	680	68	1 KHZ	0.348	0.50
YLS0628FS-101M	101	100	1 KHZ	0.516	0.42

1.Tolerance:N:±30%,M:±20%,L:±15%,K:±10%

2.Inductance drops no more than 10% of initial value at rated current, temperature rises, $\Delta T=40^{\circ}\text{C}$

3.Operating temperature : -25 °C to 85 °C.

4.Packaging quantity: 1000pcs/Reel

5.Unspecified values available on request.

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SMT POWER INDUCTORS (SHIELDED)

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YLS0730FS SERIES

Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS0730FS-3R3M	3R3	3.3	1 KHZ	0.028	1.80
YLS0730FS-4R7M	4R7	4.7	1 KHZ	0.044	1.60
YLS0730FS-6R8M	6R8	6.8	1 KHZ	0.050	1.50
YLS0730FS-100M	100	10	1 KHZ	0.064	1.30
YLS0730FS-150M	150	15	1 KHZ	0.104	1.00
YLS0730FS-220M	220	22	1 KHZ	0.132	0.86
YLS0730FS-330M	330	33	1 KHZ	0.192	0.65
YLS0730FS-470M	470	47	1 KHZ	0.288	0.57
YLS0730FS-680M	680	68	1 KHZ	0.372	0.49
YLS0730FS-101M	101	100	1 KHZ	0.540	0.35

YLS0732FS SERIES

Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS0732FS-3R3M	3R3	3.3	1 KHZ	0.028	1.90
YLS0732FS-4R7M	4R7	4.7	1 KHZ	0.044	1.70
YLS0732FS-6R8M	6R8	6.8	1 KHZ	0.050	1.60
YLS0732FS-100M	100	10	1 KHZ	0.064	1.40
YLS0732FS-150M	150	15	1 KHZ	0.090	1.10
YLS0732FS-220M	220	22	1 KHZ	0.132	0.96
YLS0732FS-330M	330	33	1 KHZ	0.192	0.75
YLS0732FS-470M	470	47	1 KHZ	0.288	0.67
YLS0732FS-680M	680	68	1 KHZ	0.372	0.59
YLS0732FS-101M	101	100	1 KHZ	0.54	0.45
YLS0732FS-151M	151	150	1 KHZ	0.78	0.37
YLS0732FS-221M	221	220	1 KHZ	1.26	0.29
YLS0732FS-331M	331	330	1 KHZ	2.00	0.22
YLS0732FS-471M	471	470	1 KHZ	2.46	0.20
YLS0732FS-681M	681	680	1 KHZ	3.78	0.16
YLS0732FS-102M	102	1000	1 KHZ	5.74	0.13

1.Tolerance:N:±30%,M:±20%,L:±15%,K:±10%

2.Inductance drops no more than 10% of initial value at rated current, temperature rises, $\Delta T=40^{\circ}\text{C}$

3.Operating temperature : -25 °C to 85 °C.

4.Packaging quantity: 1000pcs/Reel

5.Unspecified values available on request.

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SMT POWER INDUCTORS (SHIELDED)

贴片功率电感

YLS0745FS SERIES

Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS0745FS-3R3M	3R3	3.3	1 KHZ	0.024	2.30
YLS0745FS-4R7M	4R7	4.7	1 KHZ	0.036	2.10
YLS0745FS-6R8M	6R8	6.8	1 KHZ	0.047	1.74
YLS0745FS-100M	100	10	1 KHZ	0.044	1.78
YLS0745FS-150M	150	15	1 KHZ	0.063	1.53
YLS0745FS-220M	220	22	1 KHZ	0.074	1.34
YLS0745FS-330M	330	33	1 KHZ	0.116	1.09
YLS0745FS-470M	470	47	1 KHZ	0.150	0.92
YLS0745FS-680M	680	68	1 KHZ	0.210	0.77
YLS0745FS-101M	101	100	1 KHZ	0.300	0.65
YLS0745FS-151M	151	150	1 KHZ	0.408	0.55
YLS0745FS-221M	221	220	1 KHZ	0.624	0.45
YLS0745FS-331M	331	330	1 KHZ	0.888	0.37
YLS0745FS-471M	471	470	1 KHZ	1.260	0.31
YLS0745FS-681M	681	680	1 KHZ	1.776	0.27
YLS0745FS-102M	102	1000	1 KHZ	2.736	0.25

YLS1045FS SERIES

Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS1045FS-100M	100	10	1 KHZ	0.0437	2.50
YLS1045FS-150M	150	15	1 KHZ	0.0567	2.20
YLS1045FS-220M	220	22	1 KHZ	0.0709	1.90
YLS1045FS-330M	330	33	1 KHZ	0.0978	1.70
YLS1045FS-470M	470	47	1 KHZ	0.140	1.50
YLS1045FS-680M	680	68	1 KHZ	0.203	1.30
YLS1045FS-101M	101	100	1 KHZ	0.282	1.10
YLS1045FS-151M	151	150	1 KHZ	0.420	0.81
YLS1045FS-221M	221	220	1 KHZ	0.705	0.70
YLS1045FS-331M	331	330	1 KHZ	0.914	0.58
YLS1045FS-471M	471	470	1 KHZ	1.534	0.47
YLS1045FS-681M	681	680	1 KHZ	2.045	0.38
YLS1045FS-102M	102	1000	1 KHZ	3.360	0.29
YLS1045FS-152M	152	1500	1 KHZ	4.080	0.26

1.Tolerance:N:±30%,M:±20%,L:±15%,K:±10%

2.Inductance drops no more than 10% of initial value at rated current, temperature rises, ΔT=40℃

3.Operating temperature : -25 ℃ to 85 ℃.

4.Packaging quantity: 500pcs/Reel

5.Unspecified values available on request.

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SMT POWER INDUCTORS (SHIELDED)

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YLS1255FS SERIES

Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS1255FS-6R0N	6R0	6.0	1 KHZ	0.020	3.60
YLS1255FS-100M	100	10	1 KHZ	0.028	3.40
YLS1255FS-150M	150	15	1 KHZ	0.033	2.80
YLS1255FS-220M	220	22	1 KHZ	0.043	2.30
YLS1255FS-330M	330	33	1 KHZ	0.055	1.90
YLS1255FS-470M	470	47	1 KHZ	0.079	1.60
YLS1255FS-680M	680	68	1 KHZ	0.115	1.30
YLS1255FS-101M	101	100	1 KHZ	0.153	1.10
YLS1255FS-151M	151	150	1 KHZ	0.242	0.88
YLS1255FS-221M	221	220	1 KHZ	0.330	0.72
YLS1255FS-331M	331	330	1 KHZ	0.500	0.59
YLS1255FS-471M	471	470	1 KHZ	0.640	0.49
YLS1255FS-681M	681	680	1 KHZ	0.940	0.43
YLS1255FS-102M	102	1000	1 KHZ	1.400	0.34
YLS1255FS-152M	152	1500	1 KHZ	2.200	0.29

YLS1265FS SERIES

Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS1265FS-2R0N	2R0	2.0	1 KHZ	0.015	6.20
YLS1265FS-4R2N	4R2	4.2	1 KHZ	0.019	5.50
YLS1265FS-7R0N	7R0	7.0	1 KHZ	0.023	5.00
YLS1265FS-100M	100	10	1 KHZ	0.026	4.80
YLS1265FS-150M	150	15	1 KHZ	0.031	4.40
YLS1265FS-220M	220	22	1 KHZ	0.040	3.80
YLS1265FS-330M	330	33	1 KHZ	0.058	3.40
YLS1265FS-470M	470	47	1 KHZ	0.076	2.80
YLS1265FS-680M	680	68	1 KHZ	0.104	2.40
YLS1265FS-101M	101	100	1 KHZ	0.163	1.90
YLS1265FS-151M	151	150	1 KHZ	0.328	1.20

1.Tolerance:N:±30%,M:±20%,L:±15%,K:±10%

2.Inductance drops no more than 10% of initial value at rated current, temperature rises, ΔT=40℃

3.Operating temperature : -25 ℃ to 85 ℃.

4.Packaging quantity: 500pcs/Reel

5.Unspecified values available on request.

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SMT POWER INDUCTORS (SHIELDED)

贴片功率电感

YLS1275FS SERIES

Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS1275FS-1R2N	1R2	1.2	1 KHZ	0.010	8.20
YLS1275FS-2R7N	2R7	2.7	1 KHZ	0.013	7.00
YLS1275FS-3R9N	3R9	3.9	1 KHZ	0.014	6.70
YLS1275FS-5R6N	5R6	5.6	1 KHZ	0.015	6.30
YLS1275FS-6R8N	6R8	6.8	1 KHZ	0.017	5.90
YLS1275FS-100M	100	10.0	1 KHZ	0.020	5.40
YLS1275FS-150M	150	15.0	1 KHZ	0.030	5.00
YLS1275FS-220M	220	22.0	1 KHZ	0.038	4.00
YLS1275FS-330M	330	33.0	1 KHZ	0.057	3.40
YLS1275FS-470M	470	47.0	1 KHZ	0.068	3.00
YLS1275FS-680M	680	68.0	1 KHZ	0.099	2.40
YLS1275FS-101M	101	100	1 KHZ	0.158	1.90
YLS1275FS-151M	151	150	1 KHZ	0.220	1.60
YLS1275FS-221M	221	220	1 KHZ	0.310	1.30

1.Tolerance:N:±30%,M:±20%,L:±15%,K:±10%

2.Inductance drops no more than 10% of initial value at rated current, temperature rises, $\Delta T=40^{\circ}\text{C}$

3.Operating temperature : -25°C to 85°C .

4.Packaging quantity: 500pcs/Reel

5.Unspecified values available on request.