

毅力电子有限公司 Y.L.ELECTRONICS CO.,LTD

SMT POWER INDUCTORS (SHIELDED)

YLS0810HC/YLS082HC/YLS084HC/YLS1306HC 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.

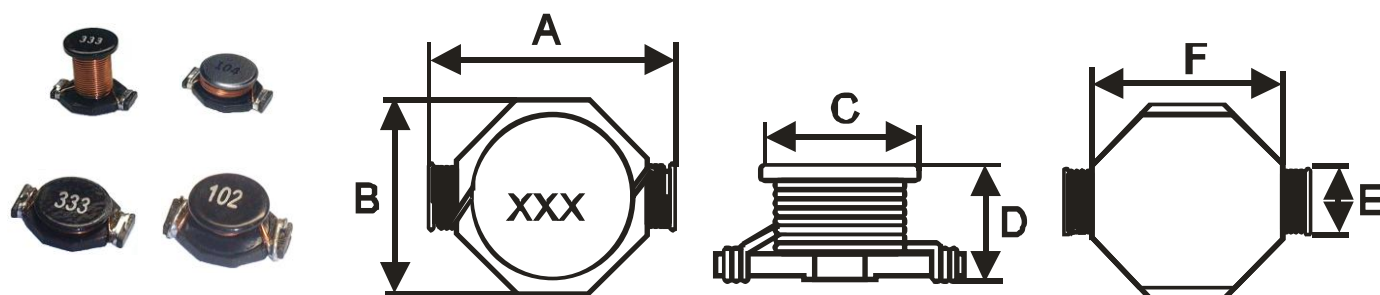
2.APPLICATIONS

- . 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

<u>YLS</u>	<u>0810HC</u>	-	<u>100</u>	<u>M</u>
1	2		3	4
SERIES NAME	DIMENSIONS		INDUCTANCE	TOLERANCE

4.MECHANICAL DRAWING



5.DINENSIONS (UNIT:mm)

No.	SERIES	A	B	C (REF)	D (MAX.)	E	F
1	YLS0810HC	12.9±0.3	9.7±0.3	9.5	11.5	4.5	9.3
2	YLS082HC	12.9±0.3	9.7±0.3	9.5	3.5	4.5	9.3
3	YLS084HC	12.9±0.3	9.7±0.3	9.5	5.5	4.5	9.3
4	YLS1306HC	22.05±0.3	16±0.3	12.7	8.0	7.0	14.4

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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

YLS0810HC SERIES

Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS0810HC-100M	100	10	100 KHZ	0.04	3.50
YLS0810HC-150M	150	15	100 KHZ	0.05	3.00
YLS0810HC-220M	220	22	100 KHZ	0.066	2.50
YLS0810HC-330M	330	33	100 KHZ	0.08	2.00
YLS0810HC-470M	470	47	100 KHZ	0.11	1.60
YLS0810HC-680M	680	68	100 KHZ	0.17	1.20
YLS0810HC-101M	101	100	100 KHZ	0.22	1.20
YLS0810HC-151M	151	150	100 KHZ	0.34	0.90
YLS0810HC-221M	221	220	100 KHZ	0.44	0.70
YLS0810HC-331M	331	330	100 KHZ	0.70	0.60
YLS0810HC-471M	471	470	100 KHZ	0.95	0.30
YLS0810HC-681M	681	680	100 KHZ	1.20	0.20
YLS0810HC-102M	102	1000	100 KHZ	2.00	0.10

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.Unspecified values available on request.

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SMT POWER INDUCTORS (SHIELDED)

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YLS082HC SERIES

Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS082HC-100M	100	10	100 KHZ	0.11	2.00
YLS082HC-150M	150	15	100 KHZ	0.15	1.50
YLS082HC-220M	220	22	100 KHZ	0.23	1.30
YLS082HC-330M	330	33	100 KHZ	0.30	1.10
YLS082HC-470M	470	47	100 KHZ	0.39	0.80
YLS082HC-680M	680	68	100 KHZ	0.66	0.70
YLS082HC-101M	101	100	100 KHZ	0.84	0.60
YLS082HC-151M	151	150	100 KHZ	1.20	0.50
YLS082HC-221M	221	220	100 KHZ	1.90	0.40
YLS082HC-331M	331	330	100 KHZ	2.70	0.30
YLS082HC-471M	471	470	100 KHZ	4.00	0.20
YLS082HC-681M	681	680	100 KHZ	5.30	0.10
YLS082HC-102M	102	1000	100 KHZ	8.40	0.05

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.Unspecified values available on request.

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SMT POWER INDUCTORS (SHIELDED)

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YLS084HC SERIES

Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS084HC-1R0M	1R0	1.0	100 KHZ	0.009	6.80
YLS084HC-1R5M	1R5	1.5	100 KHZ	0.010	6.40
YLS084HC-2R2M	2R2	2.2	100 KHZ	0.012	6.10
YLS084HC-3R3M	3R3	3.3	100 KHZ	0.015	5.40
YLS084HC-4R7M	4R7	4.7	100 KHZ	0.018	4.80
YLS084HC-6R8M	6R8	6.8	100 KHZ	0.027	4.40
YLS084HC-100M	100	10	100 KHZ	0.038	3.90
YLS084HC-150M	150	15	100 KHZ	0.046	3.10
YLS084HC-220M	220	22	100 KHZ	0.085	2.70
YLS084HC-330M	330	33	100 KHZ	0.100	2.10
YLS084HC-470M	470	47	100 KHZ	0.140	1.80
YLS084HC-680M	680	68	100 KHZ	0.200	1.50
YLS084HC-101M	101	100	100 KHZ	0.280	1.30
YLS084HC-151M	151	150	100 KHZ	0.400	1.00
YLS084HC-221M	221	220	100 KHZ	0.610	0.80
YLS084HC-331M	331	330	100 KHZ	1.020	0.60
YLS084HC-471M	471	470	100 KHZ	1.270	0.50
YLS084HC-681M	681	680	100 KHZ	2.020	0.40
YLS084HC-102M	102	1000	100 KHZ	3.000	0.30

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.Unspecified values available on request.

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SMT POWER INDUCTORS (SHIELDED)

贴片功率电感

YLS1306HC SERIES

Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS1306HC-1R0M	1R0	1.0	100 KHZ	0.009	8.60
YLS1306HC-2R2M	2R2	2.2	100 KHZ	0.014	7.10
YLS1306HC-3R3M	3R3	3.3	100 KHZ	0.018	6.20
YLS1306HC-5R6M	5R6	5.6	100 KHZ	0.020	5.30
YLS1306HC-100M	100	10	100 KHZ	0.031	4.30
YLS1306HC-150M	150	15	100 KHZ	0.036	4.00
YLS1306HC-220M	220	22	100 KHZ	0.047	3.50
YLS1306HC-330M	330	33	100 KHZ	0.066	3.00
YLS1306HC-470M	470	47	100 KHZ	0.086	2.60
YLS1306HC-680M	680	68	100 KHZ	0.130	2.30
YLS1306HC-101M	101	100	100 KHZ	0.190	1.80
YLS1306HC-151M	151	150	100 KHZ	0.250	1.50
YLS1306HC-221M	221	220	100 KHZ	0.380	1.20
YLS1306HC-331M	331	330	100 KHZ	0.560	1.00
YLS1306HC-471M	471	470	100 KHZ	0.850	0.82
YLS1306HC-681M	681	680	100 KHZ	1.100	0.72
YLS1306HC-102M	102	1000	100 KHZ	1.800	0.56

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.Unspecified values available on request.