

毅力电子有限公司 Y.L.ELECTRONICS CO.,LTD

SMT POWER INDUCTORS (UNSHIELDED/SHIELDED)

YLS7635F/YLS7651F/YLS7635FS/YLS7651FS 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.

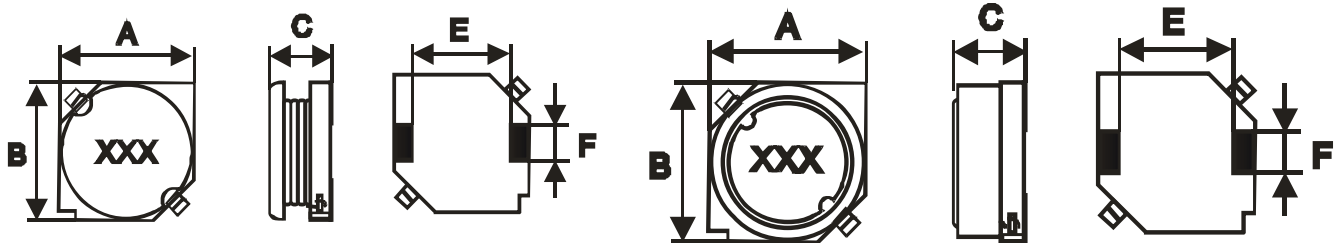
2.APPLICATIONS

- . 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>7635F</u>	-	<u>1R0</u>	<u>M</u>
1	2		3	4
SERIES NAME	DIMENSIONS		INDUCTANCE	TOLERANCE

4.MECHANICAL DRAWING



F SERIES



FS SERIES

5.DINENSIONS (UNIT:mm)

No.	SERIES	A (MAX)	B (MAX)	C (MAX)	D (REF.)	E (REF.)	
1	YLS7635F	7.6	7.6	3.5	2.0	4.5	
2	YLS7651F	7.6	7.6	5.1	2.0	4.5	
3	YLS7635FS	7.6	7.6	3.5	2.0	4.5	
4	YLS7651FS	7.6	7.6	5.1	2.0	4.5	

福建省漳州市云霄县云陵镇享堂工业区
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

YLS7635F SERIES

Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS7635F-1R0M	1R0	1.0	100 KHZ	0.022	2.88
YLS7635F-1R5M	1R5	1.5	100 KHZ	0.026	2.67
YLS7635F-1R8M	1R8	1.8	100 KHZ	0.056	2.50
YLS7635F-2R2M	2R2	2.2	100 KHZ	0.032	2.40
YLS7635F-3R3M	3R3	3.3	100 KHZ	0.041	2.08
YLS7635F-4R7M	4R7	4.7	100 KHZ	0.049	1.92
YLS7635F-6R8M	6R8	6.8	100 KHZ	0.067	1.60
YLS7635F-100M	100	10	100 KHZ	0.085	1.41
YLS7635F-120M	120	12	100 KHZ	0.100	1.28
YLS7635F-150M	150	15	100 KHZ	0.130	1.12
YLS7635F-180M	180	18	100 KHZ	0.160	1.00
YLS7635F-220M	220	22	100 KHZ	0.180	0.93
YLS7635F-270M	270	27	100 KHZ	0.240	0.80
YLS7635F-330M	330	33	100 KHZ	0.290	0.72
YLS7635F-390M	390	39	100 KHZ	0.340	0.66
YLS7635F-470M	470	47	100 KHZ	0.410	0.59
YLS7635F-560M	560	56	100 KHZ	0.480	0.55
YLS7635F-680M	680	68	100 KHZ	0.600	0.49
YLS7635F-820M	820	82	100 KHZ	0.710	0.44
YLS7635F-101M	101	100	100 KHZ	0.950	0.38

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: 1400pcs/Reel

5.Unspecified values available on request.

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SMT POWER INDUCTORS (SHIELDED)

贴片功率电感

YLS7651F SERIES

Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(μ H)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS7651F-1R0M	1R0	1.0	100 KHZ	0.023	2.88
YLS7651F-1R5M	1R5	1.5	100 KHZ	0.028	2.56
YLS7651F-2R2M	2R2	2.2	100 KHZ	0.032	2.36
YLS7651F-4R7M	4R7	4.7	100 KHZ	0.049	1.88
YLS7651F-6R8M	6R8	6.8	100 KHZ	0.060	1.68
YLS7651F-100M	100	10	100 KHZ	0.070	1.56
YLS7651F-120M	120	12	100 KHZ	0.080	1.44
YLS7651F-150M	150	15	100 KHZ	0.090	1.36
YLS7651F-180M	180	18	100 KHZ	0.100	1.28
YLS7651F-220M	220	22	100 KHZ	0.120	1.17
YLS7651F-270M	270	27	100 KHZ	0.140	1.07
YLS7651F-330M	330	33	100 KHZ	0.160	1
YLS7651F-390M	390	39	100 KHZ	0.190	0.91
YLS7651F-470M	470	47	100 KHZ	0.220	0.84
YLS7651F-560M	560	56	100 KHZ	0.290	0.72
YLS7651F-680M	680	68	100 KHZ	0.340	0.66
YLS7651F-820M	820	82	100 KHZ	0.460	0.58
YLS7651F-101M	101	100	100 KHZ	0.550	0.51
YLS7651F-121M	121	120	100 KHZ	0.670	0.42
YLS7651F-151M	151	150	100 KHZ	0.900	0.37
YLS7651F-181M	181	180	100 KHZ	1.050	0.35
YLS7651F-221M	221	220	100 KHZ	1.350	0.29
YLS7651F-271M	271	270	100 KHZ	1.550	0.28
YLS7651F-331M	331	330	100 KHZ	2.050	0.23
YLS7651F-391M	391	390	100 KHZ	2.300	0.215
YLS7651F-471M	471	470	100 KHZ	2.600	0.195

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 $^{\circ}\text{C}$ to 85 $^{\circ}\text{C}$.

4.Packaging quantity: 1100pcs/Reel

5.Unspecified values available on request.

毅力电子有限公司 Y.L.ELECTRONICS CO.,LTD

SMT POWER INDUCTORS (SHIELDED)

贴片功率电感

YLS7635FS SERIES

Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS7635FS-1R0M	1R0	1.0	100 KHZ	0.019	3.12
YLS7635FS-1R5M	1R5	1.5	100 KHZ	0.023	2.85
YLS7635FS-2R2M	2R2	2.2	100 KHZ	0.028	2.66
YLS7635FS-3R3M	3R3	3.3	100 KHZ	0.035	2.26
YLS7635FS-4R7M	4R7	4.7	100 KHZ	0.043	1.96
YLS7635FS-6R8M	6R8	6.8	100 KHZ	0.055	1.76
YLS7635FS-100M	100	10	100 KHZ	0.080	1.34
YLS7635FS-120M	120	12	100 KHZ	0.090	1.23
YLS7635FS-150M	150	15	100 KHZ	0.120	1.09
YLS7635FS-180M	180	18	100 KHZ	0.130	0.99
YLS7635FS-220M	220	22	100 KHZ	0.150	0.90
YLS7635FS-270M	270	27	100 KHZ	0.210	0.81
YLS7635FS-330M	330	33	100 KHZ	0.250	0.72
YLS7635FS-390M	390	39	100 KHZ	0.310	0.67
YLS7635FS-470M	470	47	100 KHZ	0.350	0.60
YLS7635FS-560M	560	56	100 KHZ	0.430	0.55
YLS7635FS-680M	680	68	100 KHZ	0.520	0.50
YLS7635FS-820M	820	82	100 KHZ	0.600	0.46
YLS7635FS-101M	101	100	100 KHZ	0.790	0.41

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: 1400pcs/Reel

5.Unspecified values available on request.

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YLS7651FS SERIES

Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS7651FS-1R0M	1R0	1.0	100 KHZ	0.023	2.88
YLS7651FS-1R5M	1R5	1.5	100 KHZ	0.027	2.61
YLS7651FS-2R2M	2R2	2.2	100 KHZ	0.030	2.46
YLS7651FS-3R3M	3R3	3.3	100 KHZ	0.035	2.28
YLS7651FS-4R7M	4R7	4.7	100 KHZ	0.041	2.08
YLS7651FS-6R8M	6R8	6.8	100 KHZ	0.047	1.94
YLS7651FS-100M	100	10	100 KHZ	0.050	1.68
YLS7651FS-120M	120	12	100 KHZ	0.070	1.54
YLS7651FS-180M	180	18	100 KHZ	0.090	1.26
YLS7651FS-220M	220	22	100 KHZ	0.110	1.13
YLS7651FS-270M	270	27	100 KHZ	0.150	1.02
YLS7651FS-330M	330	33	100 KHZ	0.170	0.84
YLS7651FS-390M	390	39	100 KHZ	0.180	0.80
YLS7651FS-470M	470	47	100 KHZ	0.200	0.76
YLS7651FS-560M	560	56	100 KHZ	0.280	0.64
YLS7651FS-680M	680	68	100 KHZ	0.320	0.60
YLS7651FS-820M	820	82	100 KHZ	0.350	0.57
YLS7651FS-101M	101	100	100 KHZ	0.400	0.50
YLS7651FS-121M	121	120	100 KHZ	0.440	0.47
YLS7651FS-151M	151	150	100 KHZ	0.730	0.40
YLS7651FS-181M	181	180	100 KHZ	0.780	0.39
YLS7651FS-221M	221	220	100 KHZ	0.940	0.33
YLS7651FS-271M	271	270	100 KHZ	1.250	0.31
YLS7651FS-331M	331	330	100 KHZ	1.400	0.27
YLS7651FS-391M	391	390	100 KHZ	1.520	0.27
YLS7651FS-471M	471	470	100 KHZ	1.700	0.25
YLS7651FS-561M	561	560	100 KHZ	2.390	0.22

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: 1000pcs/Reel

5.Unspecified values available on request.