

毅力电子有限公司 Y.L.ELECTRONICS CO.,LTD

THROUGH HOLE POWER INDUCTORS (SHIELDED)

YL180810S/YL181012S/YL181214S 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.

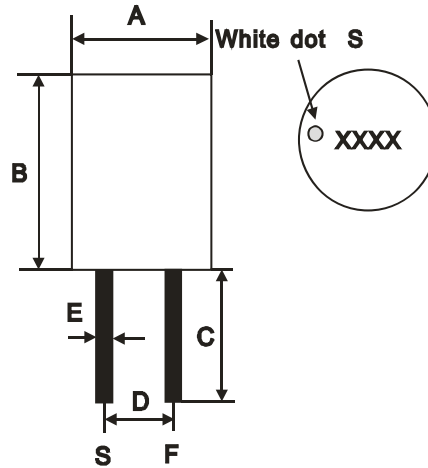
2.APPLICATIONS

- . DC/DC converter for CPU in notebook PC.
- . Power supply for VTR,OA equipment Digital camera,Electuonic toys and games. Etc.

3.PART NUMBERING SYSTEM

<u>YL18</u>	<u>1114</u>	-	<u>150</u>	<u>k</u>
1	2		3	4
SERIES NAME	DIMENSIONS		INDUCTANCE	TOLERANCE

4.MECHANICAL DRAWING



5.DINENSIONS (UNIT:mm)

No.	SERIES	A (MAX)	B (MAX)	C (MIN.)	D	E
1	YL180810S	8.5	11	5	3.0	0.6
2	YL181012S	10.5	13	5	5.0	0.65
3	YL181214S	12.5	15	5	5.0	0.8

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

THROUGH HOLE POWER INDUCTORS (UNSHIELDED)

贴片功率电感

YL180810S SERIES

Electrical Specification

PART NUMBER	INDUCTANCE L(mH)	TEST FREQUENCY	DCR (Ω) MAX.	Rated Current (mA)
YL180810S-102M	1.0	1KHz	4.7	57
YL180810S-122M	1.2	1KHz	5.1	50
YL180810S-152M	1.5	1KHz	5.9	46
YL180810S-182M	1.8	1KHz	6.6	41
YL180810S-222M	2.2	1KHz	7.8	37
YL180810S-272M	2.7	1KHz	9.0	34
YL180810S-332M	3.3	1KHz	10.0	30
YL180810S-392M	3.9	1KHz	11.5	28
YL180810S-472M	4.7	1KHz	12.6	25
YL180810S-562M	5.6	1KHz	17.2	23
YL180810S-682M	6.8	1KHz	19.0	20
YL180810S-822M	8.2	1KHz	22.0	18
YL180810S-103M	10.0	1KHz	25.0	15
YL180810S-123M	12.0	1KHz	28.0	14
YL180810S-153M	15.0	1KHz	33.0	12
YL180810S-183M	18.0	1KHz	42.0	11
YL180810S-223M	22.0	1KHz	48.0	10
YL180810S-273M	27.0	1KHz	56.0	10
YL180810S-333M	33.0	1KHz	64.0	9
YL180810S-393M	39.0	1KHz	72.0	8
YL180810S-473M	47.0	1KHz	82.0	8

1.Tolerance: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.Inductance tested at 100KHz 0.1Vrms

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

5.Unspecified values available on request.

毅力电子有限公司 Y.L.ELECTRONICS CO.,LTD

THROUGH HOLE POWER INDUCTORS (UNSHIELDED)

贴片功率电感

YL181012S SERIES

Electrical Specification

PART NUMBER	INDUCTANCE L(mH)	TEST FREQUENCY	DCR (Ω) MAX.	Rated Current (mA)
YL181012S-102M	1.0	1KHz	3.4	55
YL181012S-122M	1.2	1KHz	3.7	52
YL181012S-152M	1.5	1KHz	4.0	47
YL181012S-182M	1.8	1KHz	4.5	44
YL181012S-222M	2.2	1KHz	5.2	41
YL181012S-272M	2.7	1KHz	5.8	37
YL181012S-332M	3.3	1KHz	6.1	33
YL181012S-392M	3.9	1KHz	7.2	30
YL181012S-472M	4.7	1KHz	7.5	28
YL181012S-562M	5.6	1KHz	8.4	25
YL181012S-682M	6.8	1KHz	9.7	23
YL181012S-822M	8.2	1KHz	10.4	21
YL181012S-103M	10.0	1KHz	12.1	18
YL181012S-123M	12.0	1KHz	13.0	17
YL181012S-153M	15.0	1KHz	15.0	15
YL181012S-183M	18.0	1KHz	17.0	13
YL181012S-223M	22.0	1KHz	19.5	11
YL181012S-273M	27.0	1KHz	22.0	10
YL181012S-333M	33.0	1KHz	26.0	9
YL181012S-393M	39.0	1KHz	45.0	8
YL181012S-473M	47.0	1KHz	52.0	8
YL181012S-563M	56.0	1KHz	58.0	7
YL181012S-683M	68.0	1KHz	67.0	6
YL181012S-823M	82.0	1KHz	71.0	5
YL181012S-104M	100.0	1KHz	82.0	5
YL181012S-124M	120.0	1KHz	97.0	5

1.Tolerance: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.Inductance tested at 100KHz 0.1Vrms

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

5.Unspecified values available on request.

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THROUGH HOLE POWER INDUCTORS (UNSHIELDED)

贴片功率电感

YL181214S SERIES

Electrical Specification

PART NUMBER	INDUCTANCE L(uH)	TEST FREQUENCY	DCR (Ω) MAX.	Rated Current (mA)
YL181214S-100M	10.0	1KHz	0.015	3.61
YL181214S-150M	15.0	1KHz	0.017	3.16
YL181214S-180M	18.0	1KHz	0.020	2.81
YL181214S-220M	22.0	1KHz	0.021	2.44
YL181214S-270M	27.0	1KHz	0.023	2.12
YL181214S-330M	33.3	1KHz	0.024	1.80
YL181214S-390M	39.0	1KHz	0.027	1.64
YL181214S-470M	47.0	1KHz	0.032	1.57
YL181214S-560M	56.0	1KHz	0.034	1.39
YL181214S-680M	68.0	1KHz	0.060	1.26
YL181214S-820M	82.0	1KHz	0.070	1.18
YL181214S-101M	100.0	1KHz	0.090	1.14
YL181214S-151M	150.0	1KHz	0.110	0.82
YL181214S-181M	180.0	1KHz	0.120	0.73
YL181214S-221M	220.0	1KHz	0.140	0.61
YL181214S-271M	270.0	1KHz	0.160	0.54
YL181214S-331M	330.0	1KHz	0.170	0.52
YL181214S-391M	390.0	1KHz	0.320	0.48
YL181214S-471M	470.0	1KHz	0.350	0.44
YL181214S-561M	560.0	1KHz	0.390	0.40
YL181214S-681M	680.0	1KHz	0.440	0.38
YL181214S-821M	820.0	1KHz	0.480	0.28
YL181214S-102M	1000.0	1KHz	0.530	0.27
YL181214S-122M	1200.0	1KHz	0.660	0.26
YL181214S-152M	1500.0	1KHz	0.860	0.23
YL181214S-182M	1800.0	1KHz	0.950	0.21
YL181214S-222M	2200.0	1KHz	1.070	0.18

1.Tolerance:M:±20%,L:±15%,K:±10%

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

3.Inductance tested at 100KHz 0.1Vrms

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

5.Unspecified values available on request.