

# 毅力电子有限公司 Y.L.ELECTRONICS CO.,LTD

## SMT POWER INDUCTORS (SHIELDED)

### YLS2D 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.

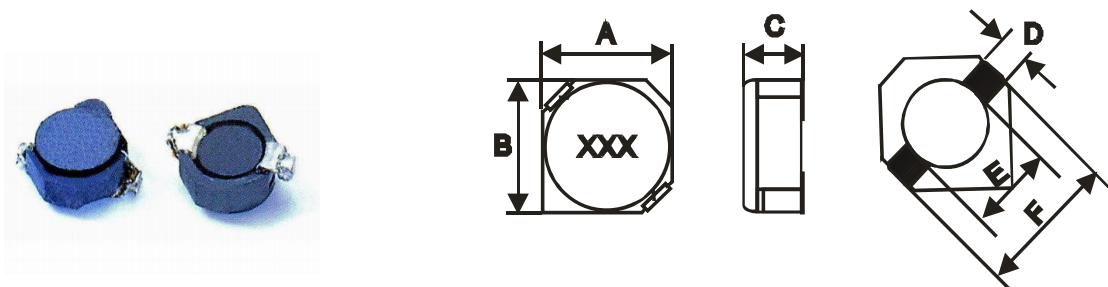
#### 2.APPLICATIONS

- . 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>2D11P</u>	-	<u>1R0</u>	<u>M</u>
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	E	F
1	YLS2D09P	3.2	3.2	1.0	1.0	2.1	3.3
2	YLS2D11P	3.2	3.2	1.2	1.0	2.1	3.3
3	YLS2D14P	3.2	3.2	1.55	1.0	2.1	3.3
4	YLS2D18P	3.2	3.2	2.0	1.0	2.1	3.3

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Industrial xiang tang yun xiao town zhangzhou city fujian  
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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)

### YLS3D/YLS4D/YLS5D/YLS6D 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.

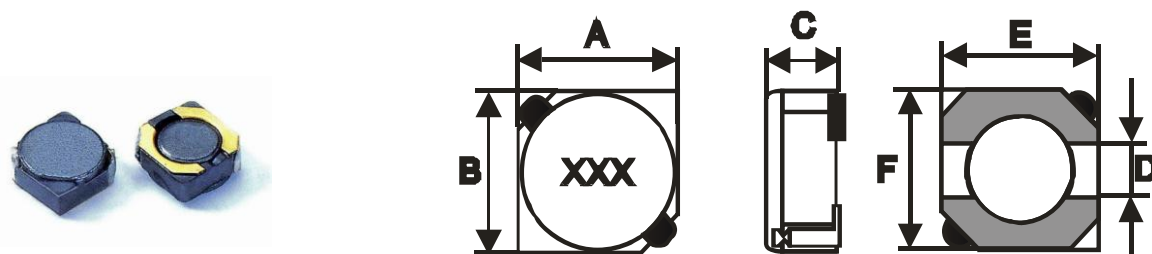
#### 2.APPLICATIONS

- . 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            3D18P    -    1R0            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	E	F
1	YLS3D18P	4.0	4.0	2.0	1.2	3.8	3.8
2	YLS3D28P	4.0	4.0	3.0	1.2	3.8	3.8
3	YLS4D18P	5.0	5.0	2.0	1.5	4.7	4.7
4	YLS4D28P	5.0	5.0	2.8	1.5	4.7	4.7
5	YLS5D18P	6.0	6.0	2.0	2.0	5.7	5.7
6	YLS5D28P	6.0	6.0	3.0	2.0	5.7	5.7
7	YLS6D28P	7.0	7.0	3.0	2.0	6.7	6.7
8	YLS6D38P	7.0	7.0	4.0	2.0	6.7	6.7

福建省漳州市云霄县云陵镇享堂工业区  
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# 毅力电子有限公司 Y.L.ELECTRONICS CO.,LTD

## SMT POWER INDUCTORS (SHIELDED)

### YLS8D 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.

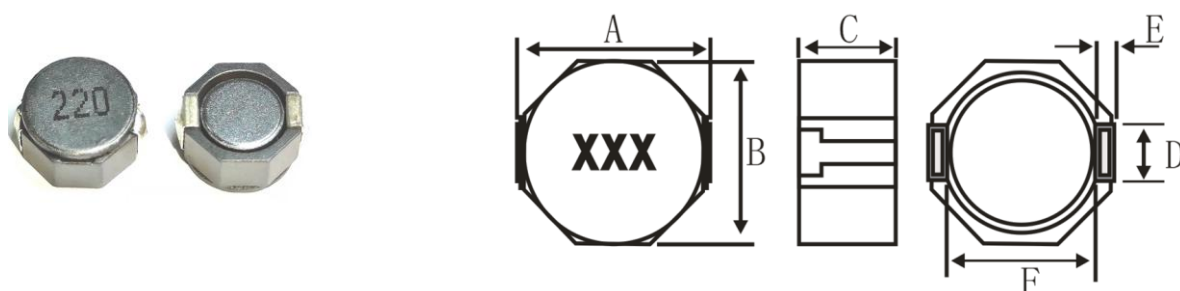
#### 2.APPLICATIONS

- . 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>8D28P</u>	-	<u>1R0</u>	<u>M</u>
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	E	F
1	YLS8D28P	8.3	8.30	3.0	2.5	1.2	6.3
2	YLS8D38P	8.3	8.30	4.00	2.5	1.2	6.3
3	YLS8D43P	8.3	8.30	4.50	2.5	1.2	6.3

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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

#### YLS2D09P SERIES

#### Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS2D09P-1R2N	1R2	1.2	100 KHZ	0.098	0.80
YLS2D09P-1R5 N	1R5	1.5	100 KHZ	0.110	0.73
YLS2D09P-1R8N	1R8	1.8	100 KHZ	0.131	0.65
YLS2D09P-2R2N	2R2	2.2	100 KHZ	0.144	0.60
YLS2D09P-2R7N	2R7	2.7	100 KHZ	0.150	0.53
YLS2D09P-3R3N	3R3	3.3	100 KHZ	0.194	0.47
YLS2D09P-3R9N	3R9	3.9	100 KHZ	0.225	0.45
YLS2D09P-4R7N	4R7	4.7	100 KHZ	0.288	0.41
YLS2D09P-5R6N	5R6	5.6	100 KHZ	0.325	0.37
YLS2D09P-6R8N	6R8	6.8	100 KHZ	0.425	0.33
YLS2D09P-8R2N	8R2	8.2	100 KHZ	0.475	0.30
YLS2D09P-100N	100	10	100 KHZ	0.538	0.28

#### YLS2D11P SERIES

#### Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS2D11P-1R5N	1R5	1.5	100 KHZ	0.068	0.90
YLS2D11P-2R2N	2R2	2.2	100 KHZ	0.098	0.78
YLS2D11P-3R3N	3R3	3.3	100 KHZ	0.123	0.60
YLS2D11P-4R7N	4R7	4.7	100 KHZ	0.170	0.50
YLS2D11P-6R8N	6R8	6.8	100 KHZ	0.260	0.44
YLS2D11P-100N	100	10	100 KHZ	0.400	0.35

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

2.Inductance drops no more than 35% 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: 2000pcs/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

#### YLS2D14P SERIES

#### Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS2D14P-1R5N	1R5	1.5	100 KHZ	0.063	1.80
YLS2D14P-1R8N	1R8	1.8	100 KHZ	0.075	1.65
YLS2D14P-2R2N	2R2	2.2	100 KHZ	0.094	1.50
YLS2D14P-2R7N	2R7	2.7	100 KHZ	0.106	1.35
YLS2D14P-3R3N	3R3	3.3	100 KHZ	0.125	1.20
YLS2D14P-3R9N	3R9	3.9	100 KHZ	0.138	1.10
YLS2D14P-4R7N	4R7	4.7	100 KHZ	0.169	1.00
YLS2D14P-5R6N	5R6	5.6	100 KHZ	0.188	0.95
YLS2D14P-6R8N	6R8	6.8	100 KHZ	0.213	0.85
YLS2D14P-8R2N	8R2	8.2	100 KHZ	0.281	0.80
YLS2D14P-100N	100	10	100 KHZ	0.294	0.70
YLS2D14P-120N	120	12	100 KHZ	0.394	0.62

#### YLS2D18P SERIES

#### Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS2D18P-2R2N	2R2	2.2	100 KHZ	0.041	0.85
YLS2D18P-3R3N	3R3	3.3	100 KHZ	0.054	0.75
YLS2D18P-4R7N	4R7	4.7	100 KHZ	0.078	0.63
YLS2D18P-6R8N	6R8	6.8	100 KHZ	0.106	0.52
YLS2D18P-100N	100	10	100 KHZ	0.180	0.43
YLS2D18P-150N	150	15	100 KHZ	0.220	0.35
YLS2D18P-220N	220	22	100 KHZ	0.320	0.30
YLS2D18P-330N	330	33	100 KHZ	0.460	0.24
YLS2D18P-470N	470	47	100 KHZ	0.660	0.20

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

2.Inductance drops no more than 35% 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: 2000pcs/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

#### YLS3D18P SERIES

#### Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS3D18P-1R0N	1R0	1.0	100 KHZ	0.050	2.00
YLS3D18P-1R5N	1R5	1.5	100 KHZ	0.055	1.8
YLS3D18P-2R2N	2R2	2.2	100 KHZ	0.063	1.3
YLS3D18P-4R7N	4R7	4.7	100 KHZ	0.107	0.85
YLS3D18P-5R6N	5R6	5.6	100 KHZ	0.151	0.82
YLS3D18P-6R8N	6R8	6.8	100 KHZ	0.188	0.80
YLS3D18P-8R2N	8R2	8.2	100 KHZ	0.195	0.75
YLS3D18P-100M	100	10	1 KHZ	0.205	0.65
YLS3D18P-150M	150	15	1 KHZ	0.302	0.55
YLS3D18P-220M	220	22	1 KHZ	0.420	0.43

#### YLS3D28P SERIES

#### Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS3D28P-1R0N	1R0	1.0	100 KHZ	0.054	2.10
YLS3D28P-2R2N	2R2	2.2	100 KHZ	0.080	1.95
YLS3D28P-3R3N	3R3	3.3	100 KHZ	0.085	1.70
YLS3D28P-4R7N	4R7	4.7	100 KHZ	0.095	1.40
YLS3D28P-5R6N	5R6	5.6	100 KHZ	0.106	1.30
YLS3D28P-8R2N	8R2	8.2	100 KHZ	0.118	1.10
YLS3D28P-100M	100	10	1 KHZ	0.200	0.90
YLS3D28P-220M	220	22	1 KHZ	0.251	0.60
YLS3D28P-330M	330	33	1 KHZ	0.383	0.50
YLS3D28P-470M	470	47	1 KHZ	0.599	0.42
YLS3D28P-560M	560	56	1 KHZ	0.706	0.39
YLS3D28P-680M	680	68	1 KHZ	0.790	0.36
YLS3D28P-820M	820	82	1 KHZ	0.901	0.33

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

2.Inductance drops no more than 35% 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: 2000pcs/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

#### YLS4D18P SERIES

#### Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS4D18P-1R0N	1R0	1.0	100 KHZ	0.045	1.72
YLS4D18P-2R2N	2R2	2.2	100 KHZ	0.075	1.32
YLS4D18P-2R7N	2R7	2.7	100 KHZ	0.105	1.28
YLS4D18P-3R3N	3R3	3.3	100 KHZ	0.110	1.04
YLS4D18P-3R9N	3R9	3.9	100 KHZ	0.155	0.88
YLS4D18P-4R7N	4R7	4.7	100 KHZ	0.162	0.84
YLS4D18P-5R6N	5R6	5.6	100 KHZ	0.170	0.80
YLS4D18P-6R8N	6R8	6.8	100 KHZ	0.190	0.76
YLS4D18P-100M	100	10	1 KHZ	0.200	0.61
YLS4D18P-120M	120	12	1 KHZ	0.210	0.56
YLS4D18P-150M	150	15	1 KHZ	0.240	0.50
YLS4D18P-180M	180	18	1 KHZ	0.338	0.48
YLS4D18P-220M	220	22	1 KHZ	0.397	0.41
YLS4D18P-270M	270	27	1 KHZ	0.441	0.35
YLS4D18P-330M	330	33	1 KHZ	0.694	0.32
YLS4D18P-390M	390	39	1 KHZ	0.709	0.30
YLS4D18P-470M	470	47	1 KHZ	0.922	0.28
YLS4D18P-560M	560	56	1 KHZ	1.080	0.26
YLS4D18P-680M	680	68	1 KHZ	1.300	0.24
YLS4D18P-820M	820	82	1 KHZ	1.560	0.22
YLS4D18P-101M	101	100	1 KHZ	1.730	0.20
YLS4D18P-121M	121	120	1 KHZ	2.390	0.18
YLS4D18P-151M	151	150	1 KHZ	2.670	0.15
YLS4D18P-181M	181	180	1 KHZ	4.000	0.14

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

2.Inductance drops no more than 35% 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: 2000pcs/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

YLS4D28P SERIES

Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS4D28P-1R0N	1R0	1.0	100 KHZ	0.020	3.00
YLS4D28P-1R5N	1R5	1.5	100 KHZ	0.033	2.56
YLS4D28P-2R2N	2R2	2.2	100 KHZ	0.045	2.04
YLS4D28P-3R3N	3R3	3.3	100 KHZ	0.049	1.57
YLS4D28P-4R7N	4R7	4.7	100 KHZ	0.072	1.32
YLS4D28P-5R6N	5R6	5.6	100 KHZ	0.101	1.17
YLS4D28P-6R8N	6R8	6.8	100 KHZ	0.108	1.12
YLS4D28P-8R2N	8R2	8.2	100 KHZ	0.118	1.04
YLS4D28P-100M	100	10	1 KHZ	0.128	1.00
YLS4D28P-120M	120	12	1 KHZ	0.132	0.84
YLS4D28P-150M	150	15	1 KHZ	0.149	0.76
YLS4D28P-180M	180	18	1 KHZ	0.166	0.72
YLS4D28P-220M	220	22	1 KHZ	0.235	0.70
YLS4D28P-330M	330	33	1 KHZ	0.331	0.56
YLS4D28P-390M	390	39	1 KHZ	0.384	0.50
YLS4D28P-470M	470	47	1 KHZ	0.587	0.48
YLS4D28P-560M	560	56	1 KHZ	0.625	0.41
YLS4D28P-680M	680	68	1 KHZ	0.699	0.35
YLS4D28P-820M	820	82	1 KHZ	0.915	0.32
YLS4D28P-101M	101	100	1 KHZ	1.020	0.29
YLS4D28P-121M	121	120	1 KHZ	1.270	0.27
YLS4D28P-151M	151	150	1 KHZ	1.350	0.24
YLS4D28P-181M	181	180	1 KHZ	1.540	0.22
YLS4D28P-221M	221	220	1 KHZ	1.720	0.20
YLS4D28P-271M	271	270	1 KHZ	1.950	0.16

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

2.Inductance drops no more than 35% of initial value at rated current, temperature rises, ΔT=40℃

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

4.Packaging quantity: 2000pcs/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

#### YLS5D18P SERIES

#### Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS5D18P-1R0N	1R0	1.0	10 KHZ	0.028	3.00
YLS5D18P-2R2N	2R2	2.2	10 KHZ	0.041	2.45
YLS5D18P-3R3N	3R3	3.3	10 KHZ	0.055	2.00
YLS5D18P-4R7N	4R7	4.7	10 KHZ	0.060	1.90
YLS5D18P-5R6N	5R6	5.6	10 KHZ	0.076	1.60
YLS5D18P-6R8N	6R8	6.8	10 KHZ	0.105	1.40
YLS5D18P-8R2N	8R2	8.2	10 KHZ	0.108	1.30
YLS5D18P-100M	100	10	10 KHZ	0.124	1.20
YLS5D18P-120M	120	12	10 KHZ	0.153	1.10
YLS5D18P-180M	180	18	10 KHZ	0.210	0.85
YLS5D18P-220M	220	22	10 KHZ	0.290	0.80
YLS5D18P-270M	270	27	10 KHZ	0.330	0.75
YLS5D18P-330M	330	33	10 KHZ	0.386	0.65
YLS5D18P-390M	390	39	10 KHZ	0.520	0.57
YLS5D18P-470M	470	47	10 KHZ	0.595	0.54
YLS5D18P-560M	560	56	10 KHZ	0.665	0.50
YLS5D18P-680M	680	68	10 KHZ	0.840	0.43
YLS5D18P-820M	820	82	10 KHZ	0.978	0.41
YLS5D18P-101M	101	100	10 KHZ	1.200	0.36
YLS5D18P-121M	121	120	10 KHZ	1.500	0.33
YLS5D18P-151M	151	150	10 KHZ	1.710	0.31
YLS5D18P-181M	181	180	10 KHZ	3.380	0.21
YLS5D18P-221M	221	220	10 KHZ	4.340	0.18

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

2.Inductance drops no more than 35% 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: 2000pcs/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

#### YLS5D28P SERIES

#### Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS5D28P-1R5N	1R5	1.5	10KHZ	0.023	3.00
YLS5D28P-1R8N	1R8	1.8	10KHZ	0.035	2.80
YLS5D28P-2R2N	2R2	2.2	10KHZ	0.036	2.60
YLS5D28P-3R3N	3R3	3.3	10KHZ	0.038	2.30
YLS5D28P-3R9N	3R9	3.9	10KHZ	0.039	2.20
YLS5D28P-4R7N	4R7	4.7	10KHZ	0.041	2.00
YLS5D28P-5R6N	5R6	5.6	10KHZ	0.045	1.80
YLS5D28P-6R8N	6R8	6.8	10KHZ	0.047	1.75
YLS5D28P-8R2N	8R2	8.2	10KHZ	0.053	1.60
YLS5D28P-100M	100	10	10KHZ	0.067	1.20
YLS5D28P-150M	150	15	10KHZ	0.103	1.10
YLS5D28P-220M	220	22	10KHZ	0.150	0.90
YLS5D28P-270M	270	27	10KHZ	0.175	0.85
YLS5D28P-330M	330	33	10KHZ	0.189	0.75
YLS5D28P-470M	470	47	10KHZ	0.300	0.62
YLS5D28P-560M	560	56	10KHZ	0.305	0.58
YLS5D28P-680M	680	68	10KHZ	0.355	0.52
YLS5D28P-820M	820	82	10KHZ	0.468	0.45
YLS5D28P-101M	101	100	10KHZ	0.520	0.42
YLS5D28P-221M	221	220	10KHZ	1.680	0.30
YLS5D28P-331M	331	330	10KHZ	1.980	0.25
YLS5D28P-391M	391	390	10KHZ	2.500	0.22
YLS5D28P-471M	471	470	10KHZ	2.700	0.20
YLS5D28P-561M	561	560	10KHZ	3.120	0.18
YLS5D28P-681M	681	680	10KHZ	4.150	0.16

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

2.Inductance drops no more than 35% 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: 1500pcs/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

#### YLS6D28P SERIES

#### Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS6D28P-1R0N	1R0	1.0	10KHZ	0.018	4.50
YLS6D28P-2R2N	2R2	2.2	10KHZ	0.025	3.50
YLS6D28P-3R0N	3R0	3.0	10KHZ	0.032	3.00
YLS6D28P-3R3N	3R3	3.3	10KHZ	0.035	3.00
YLS6D28P-4R7N	4R7	4.7	10KHZ	0.039	2.50
YLS6D28P-6R8N	6R8	6.8	10KHZ	0.054	2.10
YLS6D28P-100M	100	10	10KHZ	0.065	1.70
YLS6D28P-150M	150	15	10KHZ	0.084	1.40
YLS6D28P-180M	180	18	10KHZ	0.095	1.32
YLS6D28P-220M	220	22	10KHZ	0.128	1.20
YLS6D28P-330M	330	33	10KHZ	0.165	0.97
YLS6D28P-470M	470	47	10KHZ	0.238	0.80
YLS6D28P-560M	560	56	10KHZ	0.277	0.73
YLS6D28P-680M	680	68	10KHZ	0.304	0.65
YLS6D28P-820M	820	82	10KHZ	0.390	0.60
YLS6D28P-101M	101	100	10KHZ	0.535	0.54
YLS6D28P-121M	121	120	10KHZ	0.750	0.51
YLS6D28P-151M	151	150	10KHZ	0.950	0.47
YLS6D28P-181M	181	180	10KHZ	1.200	0.41
YLS6D28P-221M	221	220	10KHZ	1.500	0.37
YLS6D28P-271M	271	270	10KHZ	1.700	0.33
YLS6D28P-331M	331	330	10KHZ	2.150	0.28
YLS6D28P-471M	471	470	10KHZ	3.150	0.21
YLS6D28P-681M	681	680	10KHZ	5.150	0.20

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

2.Inductance drops no more than 35% 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.

# 毅力电子有限公司 Y.L.ELECTRONICS CO.,LTD

## SMT POWER INDUCTORS (SHIELDED)

### 贴片功率电感

#### YLS6D38P SERIES

#### Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS6D38P-1R0N	1R0	1.0	10KHZ	0.016	4.50
YLS6D38P-1R5N	1R5	1.5	10KHZ	0.017	4.20
YLS6D38P-2R2N	2R2	2.2	10KHZ	0.019	4.00
YLS6D38P-3R3N	3R3	3.3	10KHZ	0.020	3.72
YLS6D38P-4R7N	4R7	4.7	10KHZ	0.032	3.20
YLS6D38P-8R2N	8R2	8.2	10KHZ	0.045	2.20
YLS6D38P-100M	100	10	10KHZ	0.048	2.00
YLS6D38P-120M	120	12	10KHZ	0.053	1.70
YLS6D38P-150M	150	15	10KHZ	0.057	1.60
YLS6D38P-180M	180	18	10KHZ	0.092	1.50
YLS6D38P-270M	270	27	10KHZ	0.109	1.20
YLS6D38P-330M	330	33	10KHZ	0.124	1.10
YLS6D38P-560M	560	56	10KHZ	0.202	0.85
YLS6D38P-820M	820	82	10KHZ	0.324	0.70
YLS6D38P-101M	101	100	10KHZ	0.358	0.65
YLS6D38P-121M	121	120	10KHZ	0.470	0.59
YLS6D38P-151M	151	150	10KHZ	0.580	0.54
YLS6D38P-181M	181	180	10KHZ	0.690	0.49
YLS6D38P-221M	221	220	10KHZ	0.890	0.43
YLS6D38P-331M	331	330	10KHZ	1.700	0.37
YLS6D38P-391M	391	391	10KHZ	1.750	0.34
YLS6D38P-471M	471	470	10KHZ	2.200	0.32
YLS6D38P-561M	561	560	10KHZ	2.850	0.29
YLS6D38P-681M	681	680	10KHZ	3.200	0.25
YLS6D38P-821M	821	820	10KHZ	4.050	0.22
YLS6D38P-102M	102	1000	10KHZ	5.700	0.20

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

2.Inductance drops no more than 35% 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.

毅力电子有限公司 Y.L.ELECTRONICS CO.,LTD

SMT POWER INDUCTORS (SHIELDED)

贴片功率电感

YLS8D28P SERIES

Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS8D28P-1R0N	1R0	1.0	100KHZ	0.020	6.00
YLS8D28P-2R2N	2R2	2.2	100KHZ	0.025	5.00
YLS8D28P-3R3N	3R3	3.3	100KHZ	0.040	4.80
YLS8D28P-4R7N	4R7	4.7	100KHZ	0.048	3.80
YLS8D28P-6R8N	6R8	6.8	100KHZ	0.052	3.50
YLS8D28P-100M	100	10	100KHZ	0.083	2.65
YLS8D28P-150M	150	15	100KHZ	0.095	2.55
YLS8D28P-220M	220	22	100KHZ	0.182	1.80
YLS8D28P-330M	330	33	100KHZ	0.230	1.40
YLS8D28P-470M	470	47	100KHZ	0.300	1.20
YLS8D28P-680M	680	68	100KHZ	0.400	1.00
YLS8D28P-101M	101	100	100KHZ	0.750	0.80

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

2.Inductance drops no more than 35% 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.

# 毅力电子有限公司 Y.L.ELECTRONICS CO.,LTD

## SMT POWER INDUCTORS (SHIELDED)

### 贴片功率电感

#### YLS8D38P SERIES

#### Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS8D38P-1R0N	1R0	1.0	100KHZ	0.018	6.50
YLS8D38P-1R8N	1R8	1.8	100KHZ	0.020	6.20
YLS8D38P-2R2N	2R2	2.2	100KHZ	0.023	6.00
YLS8D38P-3R3N	3R3	3.3	100KHZ	0.027	5.50
YLS8D38P-3R9N	3R9	3.9	100KHZ	0.028	5.10
YLS8D38P-4R7N	4R7	4.7	100KHZ	0.029	5.00
YLS8D38P-5R6N	5R6	5.6	100KHZ	0.031	4.20
YLS8D38P-6R8N	6R8	6.8	100KHZ	0.043	3.80
YLS8D38P-8R2N	8R2	8.2	100KHZ	0.046	3.50
YLS8D38P-100M	100	10	100KHZ	0.049	3.20
YLS8D38P-150M	150	15	100KHZ	0.090	2.70
YLS8D38P-220M	220	22	100KHZ	0.105	2.30
YLS8D38P-330M	330	33	100KHZ	0.138	1.80
YLS8D38P-470M	470	47	100KHZ	0.189	1.50
YLS8D38P-560M	560	56	100KHZ	0.257	1.40
YLS8D38P-680M	680	68	100KHZ	0.268	1.20
YLS8D38P-820M	820	82	100KHZ	0.323	1.15
YLS8D38P-101M	101	100	100KHZ	0.450	1.05
YLS8D38P-151M	151	150	100KHZ	0.521	0.90
YLS8D38P-221M	221	220	100KHZ	0.652	0.70
YLS8D38P-331M	331	330	100KHZ	1.000	0.60
YLS8D38P-471M	471	470	100KHZ	1.540	0.50

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

2.Inductance drops no more than 35% 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: 1000pcs/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

#### YLS8D43P SERIES

#### Electrical Specification

PART NUMBER	MARKING	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)
YLS8D43P-1R0N	1R0	1.0	100KHZ	0.016	8.00
YLS8D43P-2R2N	2R2	2.2	100KHZ	0.020	6.00
YLS8D43P-3R3N	3R3	3.3	100KHZ	0.022	5.50
YLS8D43P-4R7N	4R7	4.7	100KHZ	0.027	4.80
YLS8D43P-5R6N	5R6	5.6	100KHZ	0.029	4.60
YLS8D43P-6R8N	6R8	6.8	100KHZ	0.035	4.40
YLS8D43P-8R2N	8R2	8.2	100KHZ	0.036	4.00
YLS8D43P-100M	100	10	100KHZ	0.043	3.60
YLS8D43P-120M	120	12	100KHZ	0.064	3.10
YLS8D43P-150M	150	15	100KHZ	0.074	2.90
YLS8D43P-220M	220	22	100KHZ	0.075	2.60
YLS8D43P-270M	270	27	100KHZ	0.106	2.30
YLS8D43P-330M	330	33	100KHZ	0.152	1.90
YLS8D43P-390M	390	39	100KHZ	0.163	1.60
YLS8D43P-470M	470	47	100KHZ	0.175	1.50
YLS8D43P-560M	560	56	100KHZ	0.210	1.30
YLS8D43P-680M	680	68	100KHZ	0.280	1.20
YLS8D43P-820M	820	82	100KHZ	0.320	1.10
YLS8D43P-101M	101	100	100KHZ	0.430	1.00
YLS8D43P-121M	121	120	100KHZ	0.450	0.90
YLS8D43P-151M	151	150	100KHZ	0.505	0.80
YLS8D43P-221M	221	220	100KHZ	0.756	0.60
YLS8D43P-331M	331	330	100KHZ	1.060	0.50
YLS8D43P-471M	471	470	100KHZ	1.168	0.45
YLS8D43P-561M	561	560	100KHZ	1.610	0.40
YLS8D43P-681M	681	680	100KHZ	1.800	0.35

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

2.Inductance drops no more than 35% 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.