

SMT POWER INDUCTORS (UNSHIELDED)

YLSE322520/YLS453226 SERIES

1.FEATURES

- . High performance (High Q) 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.

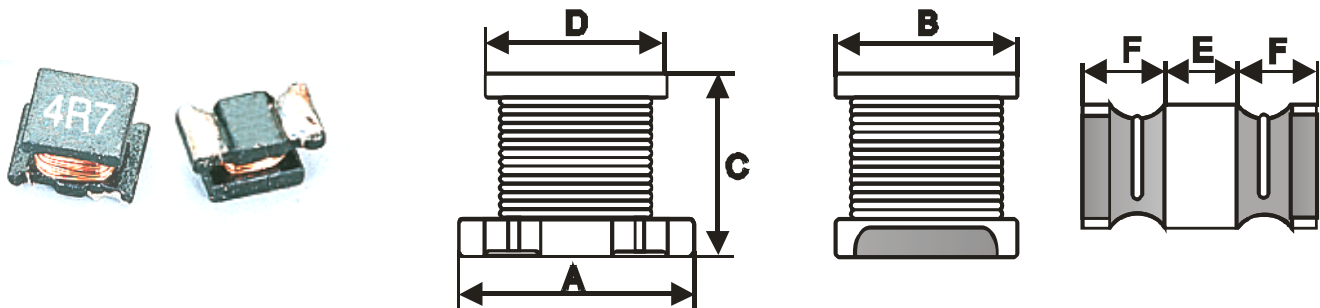
3.PART NUMBERING SYSTEM

YLSE 322520 - 100 M

1 2 3 4

SERIES NAME DIMENSIONS INDUCTANCE TOLERANCE

4.MECHANICAL DRAWING



5.DINENSIONS (UNIT:mm)

No.	SERIES	A	B	C	D	E	F
1	YLSE322520	3.2±0.2	2.5±0.2	2.0±0.2	2.5±0.2	1.3±0.2	0.9±0.3
2	YLSE453226	4.5±0.3	3.2±0.2	2.6±0.2	3.6±0.2	1.0MIN.	1.0MIN.

福建省漳州市云霄县云陵镇亭堂工业区
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 (UNSHIELDED)

贴片功率电感

YLSE322520 SERIES

Electrical Specification

PART NUMBER	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)	Q (MIN.)
YLSE322520-1R0M	1.0	100 KHZ	0.5	0.445	20
YLSE322520-1R2M	1.2	100 KHZ	0.6	0.425	20
YLSE322520-1R8K	1.8	100 KHZ	0.7	0.390	20
YLSE322520-2R2K	2.2	100 KHZ	0.8	0.370	20
YLSE322520-2R7K	2.7	100 KHZ	0.9	0.320	20
YLSE322520-3R3K	3.3	100 KHZ	1.0	0.300	20
YLSE322520-4R7K	4.7	100 KHZ	1.2	0.270	20
YLSE322520-5R6K	5.6	100 KHZ	1.3	0.250	20
YLSE322520-6R8K	6.8	100 KHZ	1.5	0.240	20
YLSE322520-8R2K	8.2	100 KHZ	1.6	0.225	20
YLSE322520-100K	10	100 KHZ	1.8	0.190	35
YLSE322520-120K	12	100 KHZ	2.0	0.180	35
YLSE322520-180K	18	100 KHZ	2.5	0.165	35
YLSE322520-220K	22	100 KHZ	2.8	0.150	35
YLSE322520-270K	27	100 KHZ	3.1	0.125	35
YLSE322520-330K	33	100 KHZ	3.5	0.115	40
YLSE322520-470K	47	100 KHZ	4.3	0.100	40
YLSE322520-560K	56	100 KHZ	4.9	0.085	40
YLSE322520-680K	68	100 KHZ	5.5	0.080	40
YLSE322520-820K	82	100 KHZ	6.2	0.080	40
YLSE322520-101K	100	100 KHZ	7.0	0.075	40
YLSE322520-151K	150	100 KHZ	9.3	0.070	40
YLSE322520-181K	180	100 KHZ	10.2	0.065	40
YLSE322520-221K	220	100 KHZ	11.8	0.065	40
YLSE322520-271K	270	100 KHZ	12.5	0.065	40
YLSE322520-331K	330	100 KHZ	13.0	0.065	40
YLSE322520-391K	390	100 KHZ	22.0	0.050	50
YLSE322520-471K	470	100 KHZ	25.0	0.045	50
YLSE322520-561K	560	100 KHZ	28.0	0.040	50

1.Tolerance:M:±20%,L:±15%,K:±10%

2.Q Test frequency 1.0uH-82uH @ 1MHz;>100uH @796KHz

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

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

4.Packaging quantity: 2000pcs/Reel

5.Unspecified values available on request.

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SMT POWER INDUCTORS (UNSHIELDED)

贴片功率电感

YLSE453226 SERIES

Electrical Specification

PART NUMBER	INDUCTANCE L(uH)	TEST FREQ (0.25V)	DCR (Ω) MAX.	Rated Current (A)	Q (MIN.)
YLSE453226-1R0M	1.0	100 KHZ	0.20	0.445	20
YLSE453226-1R2M	1.2	100 KHZ	0.20	0.425	20
YLSE453226-1R8K	1.8	100 KHZ	0.30	0.390	20
YLSE453226-2R2K	2.2	100 KHZ	0.30	0.370	20
YLSE453226-2R7K	2.7	100 KHZ	0.32	0.320	20
YLSE453226-3R9K	3.9	100 KHZ	0.38	0.290	20
YLSE453226-4R7K	4.7	100 KHZ	0.40	0.270	30
YLSE453226-5R6K	5.6	100 KHZ	0.47	0.250	30
YLSE453226-8R2K	8.2	100 KHZ	0.56	0.225	30
YLSE453226-100K	10	100 KHZ	0.56	0.190	35
YLSE453226-120K	12	100 KHZ	0.62	0.180	35
YLSE453226-180K	18	100 KHZ	0.82	0.165	35
YLSE453226-270K	27	100 KHZ	1.10	0.125	35
YLSE453226-330K	33	100 KHZ	1.20	0.115	35
YLSE453226-390K	39	100 KHZ	1.40	0.110	35
YLSE453226-470K	47	100 KHZ	1.50	0.100	35
YLSE453226-560K	56	100 KHZ	1.70	0.085	35
YLSE453226-680K	68	100 KHZ	1.90	0.080	35
YLSE453226-820K	82	100 KHZ	2.20	0.080	35
YLSE453226-101K	100	100 KHZ	2.50	0.075	35
YLSE453226-151K	150	100 KHZ	3.70	0.070	35
YLSE453226-181K	180	100 KHZ	4.50	0.065	35
YLSE453226-221K	220	100 KHZ	5.40	0.065	35
YLSE453226-331K	330	100 KHZ	8.20	0.065	35
YLSE453226-471K	470	100 KHZ	11.8	0.045	40
YLSE453226-561K	560	100 KHZ	14.5	0.040	40
YLSE453226-681K	680	100 KHZ	17.0	0.041	40
YLSE453226-821K	820	100 KHZ	20.5	0.042	40
YLSE453226-101K	1000	100 KHZ	25.0	0.043	40

1.Tolerance:M:±20%,L:±15%,K:±10%

2.Q Test frequency 1.0uH-82uH @ 1MHz;>100uH @796KHz

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