

毅力电子有限公司 Y.L.ELECTRONICS CO.,LTD

WIRE WOUND FERRITE CHIP INDUCTORS

YLS0402F/YLS0603F/YLS0805F/YLS1008F/YLS1210F SERIES

1.FEATURES

- . High frequency applicatios
- . Small footprint as well as low profile.
- . High Q factor.
- . 100% lead (Pb) free meet RoHS Standard.

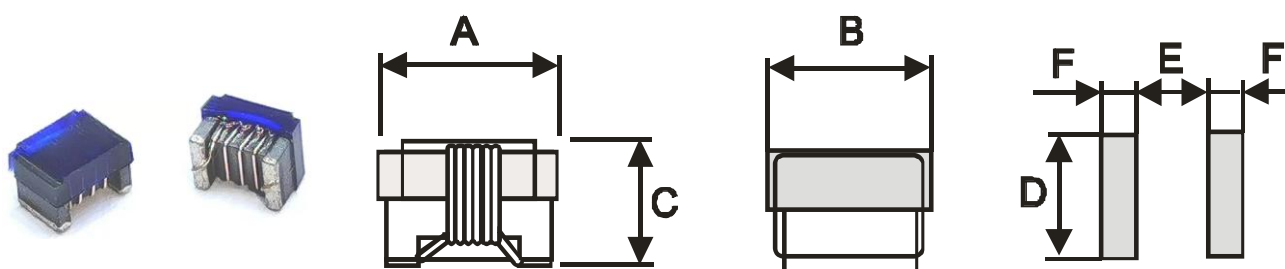
2.APPLICATIONS

- . Mobile phones,wireless phones,cordless phones,applications

3.PART NUMBERING SYSTEM

YLS 0603F - 1N6 K
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	YLS0402F	1.19	0.70	0.66	0.66	0.64	0.4
2	YLS0603F	1.80	1.25	1.20	1.02	0.64	0.64
3	YLS0805F	2.29	1.73	1.52	1.78	0.76	1.02
4	YLS1008F	2.92	2.79	2.23	2.54	1.27	1.02
5	YLS1210F	3.50	2.70	2.25	2.54	1.78	1.02

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

WIRE WOUND FERRITE CHIP INDUCTORS

铁氧体贴片电感

YLS0402F SERIES

Electrical Specification

PART NUMBER	INDUCTANCE (uH)	TEST CONDITION	DCR(Ω) MAX.	SRF (MHz) MIN.	Irms(mA) MAX.
YLS0402F-20N□-LRH	0.020	7.9MHZ	0.050	2600	1600
YLS0402F-22N□-LRH	0.022	7.9MHZ	0.065	2500	1300
YLS0402F-33N□-LRH	0.033	7.9MHZ	0.060	2300	1400
YLS0402F-36N□-LRH	0.036	7.9MHZ	0.075	2300	1300
YLS0402F-39N□-LRH	0.039	7.9MHZ	0.115	2200	830
YLS0402F-51N□-LRH	0.051	7.9MHZ	0.070	1930	1100
YLS0402F-56N□-LRH	0.056	7.9MHZ	0.095	1900	1000
YLS0402F-72N□-LRH	0.072	7.9MHZ	0.100	1650	1000
YLS0402F-78N□-LRH	0.078	7.9MHZ	0.130	1600	970
YLS0402F-R10□-LRH	0.10	7.9MHZ	0.160	1400	900
YLS0402F-R11□-LRH	0.11	7.9MHZ	0.200	1000	850
YLS0402F-R14□-LRH	0.14	7.9MHZ	0.260	1220	630
YLS0402F-R15□-LRH	0.15	7.9MHZ	0.260	1220	630
YLS0402F-R18□-LRH	0.18	7.9MHZ	0.280	1150	560
YLS0402F-R20□-LRH	0.20	7.9MHZ	0.440	1000	400
YLS0402F-R22□-LRH	0.22	7.9MHZ	0.530	1150	380
YLS0402F-R25□-LRH	0.25	7.9MHZ	0.360	900	520
YLS0402F-R27□-LRH	0.27	7.9MHZ	0.900	860	360
YLS0402F-R30□-LRH	0.30	7.9MHZ	0.410	860	420
YLS0402F-R33□-LRH	0.33	7.9MHZ	0.560	820	350
YLS0402F-R36□-LRH	0.36	7.9MHZ	0.575	810	300
YLS0402F-R39□-LRH	0.39	7.9MHZ	1.000	760	300
YLS0402F-R42□-LRH	0.42	7.9MHZ	0.700	700	340
YLS0402F-R47□-LRH	0.47	7.9MHZ	0.730	650	310
YLS0402F-R56□-LRH	0.56	7.9MHZ	1.200	600	200
YLS0402F-R82□-LRH	0.82	7.9MHZ	5.850	385	90
YLS0402F-1R0□-LRH	1.00	7.9MHZ	6.500	200	50

1.Tolerance:K:±10%,J:±5%,G:±2%,F:±1%

2.Operating temperature : -40 °C to 85 °C.

3.Packaging quantity: 5000pcs/Reel 7";25000PCS/BOX. 150000PCS/CARTON

4.Unspecified values available on request.

毅力电子有限公司 Y.L.ELECTRONICS CO.,LTD

WIRE WOUND FERRITE CHIP INDUCTORS

铁氧体贴片电感

YLS0603F SERIES

Electrical Specification

PART NUMBER	INDUCTANCE (uH)	TEST CONDITION	Q(MIN.)	DCR (Ω) MAX.	SRF(MHz) MIN.	I _{rms} (mA)MAX.
YLS0603F-47N□-LRH	0.047	7.9MHZ	12	0.10	1700	1500
YLS0603F-R10□-LRH	0.10	7.9MHZ	12	0.13	1150	1000
YLS0603F-R15□-LRH	0.15	7.9MHZ	12	0.15	950	1000
YLS0603F-R18□-LRH	0.18	7.9MHZ	12	0.20	950	1000
YLS0603F-R20□-LRH	0.20	7.9MHZ	12	0.20	1030	740
YLS0603F-R22□-LRH	0.22	7.9MHZ	12	0.30	775	700
YLS0603F-R27□-LRH	0.27	7.9MHZ	12	0.30	775	700
YLS0603F-R33□-LRH	0.33	7.9MHZ	12	0.32	725	600
YLS0603F-R39□-LRH	0.39	7.9MHZ	12	0.51	620	500
YLS0603F-R47□-LRH	0.47	7.9MHZ	12	0.62	540	420
YLS0603F-R51□-LRH	0.51	7.9MHZ	12	0.65	600	400
YLS0603F-R56□-LRH	0.56	7.9MHZ	12	0.65	600	400
YLS0603F-R68□-LRH	0.68	7.9MHZ	12	1.00	500	380
YLS0603F-R75□-LRH	0.75	7.9MHZ	12	1.30	500	350
YLS0603F-R82□-LRH	0.82	7.9MHZ	12	1.30	500	350
YLS0603F-1R0□-LRH	1.0	7.9MHZ	12	1.50	400	330
YLS0603F-1R2□-LRH	1.2	7.9MHZ	12	1.70	380	320
YLS0603F-1R5□-LRH	1.5	7.9MHZ	12	1.90	300	310
YLS0603F-1R8□-LRH	1.8	7.9MHZ	12	2.20	180	300
YLS0603F-2R0□-LRH	2.0	7.9MHZ	12	2.30	180	280
YLS0603F-2R2□-LRH	2.2	7.9MHZ	12	2.30	180	280
YLS0603F-2R7□-LRH	2.7	7.9MHZ	12	2.60	150	250
YLS0603F-3R3□-LRH	3.3	7.9MHZ	12	2.90	150	230
YLS0603F-3R9□-LRH	3.9	7.9MHZ	12	3.20	120	210
YLS0603F-4R7□-LRH	4.7	7.9MHZ	12	4.00	100	200
YLS0603F-5R1□-LRH	5.1	7.9MHZ	15	2.60	32	240
YLS0603F-5R6□-LRH	5.6	7.9MHZ	15	2.60	32	240
YLS0603F-6R8□-LRH	6.8	7.9MHZ	12	3.90	31	200
YLS0603F-8R2□-LRH	8.2	7.9MHZ	12	4.20	26	190
YLS0603F-100□-LRH	10	2.5MHZ	10	4.80	25	180
YLS0603F-120□-LRH	12	2.5MHZ	10	6.30	25	170
YLS0603F-150□-LRH	15	2.5MHZ	10	8.50	23	170
YLS0603F-180□-LRH	18	2.5MHZ	10	10.00	22	160
YLS0603F-220□-LRH	22	2.5MHZ	10	12.00	10	100

1.Tolerance:K:±10%,J:±5%,G:±2%,F:±1%

2.Operating temperature : -40 °C to 85 °C.

3.Packaging quantity: 4000pcs/Reel 7";20000PCS/BOX. 120000PCS/CARTON

4.Unspecified values available on request.

毅力电子有限公司 Y.L.ELECTRONICS CO.,LTD

WIRE WOUND FERRITE CHIP INDUCTORS

铁氧体贴片电感

YLS0805F SERIES

Electrical Specification

PART NUMBER	INDUCTANCE (uH)	TEST CONDITION	Q(MIN.)	DCR (Ω) MAX.	SRF(MHz) MIN.	Irms (mA)MAX.
YLS0805F-R10□-LRH	0.10	7.9MHZ	19	0.69	340	500
YLS0805F-R12□-LRH	0.12	7.9MHZ	19	0.27	340	750
YLS0805F-R15□-LRH	0.15	7.9MHZ	19	0.30	480	720
YLS0805F-R18□-LRH	0.18	7.9MHZ	19	0.40	480	720
YLS0805F-R22□-LRH	0.22	7.9MHZ	19	0.40	480	720
YLS0805F-R33□-LRH	0.33	7.9MHZ	19	0.31	500	720
YLS0805F-R39□-LRH	0.39	7.9MHZ	19	0.31	500	720
YLS0805F-R47□-LRH	0.47	7.9MHZ	19	0.31	500	720
YLS0805F-R56□-LRH	0.56	7.9MHZ	12	0.46	400	400
YLS0805F-R68□-LRH	0.68	7.9MHZ	19	0.46	400	590
YLS0805F-R81□-LRH	0.81	7.9MHZ	12	1.00	360	520
YLS0805F-R88□-LRH	0.88	7.9MHZ	12	1.00	360	520
YLS0805F-R91□-LRH	0.91	7.9MHZ	12	1.00	360	430
YLS0805F-1R0□-LRH	1	7.9MHZ	12	1.00	360	430
YLS0805F-1R2□-LRH	1.2	7.9MHZ	12	1.15	350	410
YLS0805F-1R5□-LRH	1.5	7.9MHZ	12	1.20	300	400
YLS0805F-1R8□-LRH	1.8	7.9MHZ	12	1.35	300	380
YLS0805F-2R2□-LRH	2.2	7.9MHZ	12	1.50	170	350
YLS0805F-2R7□-LRH	2.7	7.9MHZ	12	1.70	100	320
YLS0805F-3R3□-LRH	3.3	7.9MHZ	12	1.80	90	300
YLS0805F-3R9□-LRH	3.9	7.9MHZ	12	1.95	90	280
YLS0805F-4R7□-LRH	4.7	7.9MHZ	12	2.05	85	250
YLS0805F-5R6□-LRH	5.6	7.9MHZ	12	2.30	70	240
YLS0805F-6R8□-LRH	6.8	7.9MHZ	12	2.60	55	220
YLS0805F-8R0□-LRH	8.0	7.9MHZ	12	3.00	50	180
YLS0805F-8R2□-LRH	8.2	7.9MHZ	12	3.00	50	180
YLS0805F-100□-LRH	10	2.5MHZ	10	2.55	40	150
YLS0805F-120□-LRH	12	2.5MHZ	10	3.50	16	100
YLS0805F-150□-LRH	15	2.5MHZ	10	4.20	16	100
YLS0805F-180□-LRH	18	2.5MHZ	10	4.50	15	95
YLS0805F-220□-LRH	22	2.5MHZ	10	6.00	14	80
YLS0805F-270□-LRH	27	2.5MHZ	10	10.70	17	60
YLS0805F-330□-LRH	33	2.5MHZ	10	10.70	17	60
YLS0805F-390□-LRH	39	2.5MHZ	10	10.00	14	60
YLS0805F-470□-LRH	47	2.5MHZ	10	13.80	14	55
YLS0805F-680□-LRH	68	2.5MHZ	8	17.50	11	40
YLS0805F-101□-LRH	100	1MHZ	8	25.00	5	30
YLS0805F-111□-LRH	110	1MHZ	8	26.00	5	20

1.Tolerance:K:±10%,J:±5%,G:±2%,F:±1%

2.Operating temperature : -40 °C to 85 °C.

3.Packaging quantity: 3000pcs/Reel 7";15000PCS/BOX. 90000PCS/CARTON

4.Unspecified values available on request.

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WIRE WOUND FERRITE CHIP INDUCTORS

铁氧体贴片电感

YLS1008F SERIES

Electrical Specification

PART NUMBER	INDUCTANCE (uH)	TEST CONDITION	Q(MIN.)	DCR (Ω) MAX.	SRF(MHz) MIN.	Irms (mA)MAX.
YLS1008F-R56□-LRH	0.56	7.9MHZ	12	0.62	230	700
YLS1008F-R68□-LRH	0.68	7.9MHZ	12	0.62	230	700
YLS1008F-R82□-LRH	0.82	7.9MHZ	12	0.62	230	700
YLS1008F-1R0□-LRH	1	7.9MHZ	18	0.62	230	700
YLS1008F-1R2□-LRH	1.2	7.9MHZ	18	0.68	210	650
YLS1008F-1R5□-LRH	1.5	7.9MHZ	18	0.76	190	630
YLS1008F-1R8□-LRH	1.8	7.9MHZ	28	0.84	170	600
YLS1008F-2R2□-LRH	2.2	7.9MHZ	18	1.10	150	520
YLS1008F-2R7□-LRH	2.7	7.9MHZ	18	1.28	135	490
YLS1008F-3R3□-LRH	3.3	7.9MHZ	18	1.46	120	450
YLS1008F-3R9□-LRH	3.9	7.9MHZ	18	1.56	105	420
YLS1008F-4R7□-LRH	4.7	7.9MHZ	18	2.00	90	400
YLS1008F-5R6□-LRH	5.6	7.9MHZ	15	1.80	80	380
YLS1008F-6R8□-LRH	6.8	7.9MHZ	15	2.00	70	360
YLS1008F-8R2□-LRH	8.2	7.9MHZ	15	2.65	65	330
YLS1008F-100□-LRH	10	2.5MHZ	12	2.95	60	300
YLS1008F-120□-LRH	12	2.5MHZ	12	3.30	38	290
YLS1008F-180□-LRH	18	2.5MHZ	12	4.00	26	160
YLS1008F-220□-LRH	22	2.5MHZ	12	6.14	22	270
YLS1008F-300□-LRH	30	2.5MHZ	10	6.80	12	200
YLS1008F-330□-LRH	33	2.5MHZ	10	7.00	12	200
YLS1008F-390□-LRH	39	2.5MHZ	10	10.00	16	170
YLS1008F-470□-LRH	47	2.5MHZ	10	10.70	10	160
YLS1008F-560□-LRH	56	2.5MHZ	10	12.00	8	170
YLS1008F-680□-LRH	68	2.5MHZ	10	13.50	6	145
YLS1008F-820□-LRH	82	2.5MHZ	8	20.00	6	100
YLS1008F-101□-LRH	100	1MHZ	8	20.50	4	120

1.Tolerance:K:±10%,J:±5%,G:±2%,F:±1%

2.Operating temperature : -40 °C to 85 °C.

3.Packaging quantity: 3000pcs/Reel 7";15000PCS/BOX. 90000PCS/CARTON

4.Unspecified values available on request.

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WIRE WOUND FERRITE CHIP INDUCTORS

铁氧体贴片电感

YLS1210F SERIES

Electrical Specification

PART NUMBER	INDUCTANCE (uH)	TEST CONDITION	Q(MIN.)	DCR (Ω) MAX.	SRF(MHz) MIN.	Irms (mA)MAX.
YLS1210F-R56□-LRH	0.56	25MHZ	20	0.55	180	450
YLS1210F-1R5□-LRH	1.5	7.9MHZ	20	0.40	200	450
YLS1210F-1R8□-LRH	1.8	7.9MHZ	20	0.50	195	450
YLS1210F-2R2□-LRH	2.2	7.9MHZ	30	0.80	175	450
YLS1210F-3R3□-LRH	3.3	7.9MHZ	20	1.20	150	400
YLS1210F-4R7□-LRH	4.7	7.9MHZ	18	1.30	60	350
YLS1210F-5R6□-LRH	5.6	2.5MHZ	18	2.00	50	320
YLS1210F-100□-LRH	10	2.5MHZ	15	1.00	30	300
YLS1210F-150□-LRH	15	2.5MHZ	15	2.00	22	225
YLS1210F-180□-LRH	18	2.5MHZ	15	2.05	22	215
YLS1210F-220□-LRH	22	2.5MHZ	15	2.10	20	210
YLS1210F-250□-LRH	25	2.5MHZ	15	2.80	25	150
YLS1210F-270□-LRH	27	2.5MHZ	15	2.90	18	180
YLS1210F-330□-LRH	33	2.5MHZ	15	2.90	15	160
YLS1210F-470□-LRH	47	2.5MHZ	15	5.20	10	140
YLS1210F-560□-LRH	56	2.5MHZ	8	5.60	8	125
YLS1210F-680□-LRH	68	1MHZ	6	13.00	10	100
YLS1210F-820□-LRH	82	1MHZ	6	13.00	10	100
YLS1210F-101□-LRH	100	1MHZ	6	13.00	10	100
YLS1210F-121□-LRH	120	1MHZ	6	13.00	10	100
YLS1210F-151□-LRH	150	1MHZ	10	20.00	4	80
YLS1210F-181□-LRH	180	1MHZ	8	14.50	3	70
YLS1210F-201□-LRH	200	1MHZ	8	30.00	2.6	65
YLS1210F-221□-LRH	220	1MHZ	8	30.00	2.6	65
YLS1210F-271□-LRH	270	1MHZ	8	33.00	2.3	60
YLS1210F-331□-LRH	330	1MHZ	8	35.00	2.3	55
YLS1210F-471□-LRH	470	1MHZ	8	42.00	2	40
YLS1210F-561□-LRH	560	2.5MHZ	8	60.00	2	10
YLS1210F-621□-LRH	620	1MHZ	8	85.00	2	10
YLS1210F-681□-LRH	680	1MHZ	6	90.00	2	10

1.Tolerance:K:±10%,J:±5%,G:±2%,F:±1%

2.Operating temperature : -40 °C to 85 °C.

3.Packaging quantity: 3000pcs/Reel 7";15000PCS/BOX. 90000PCS/CARTON

4.Unspecified values available on request.