

WL and WLC TYPE

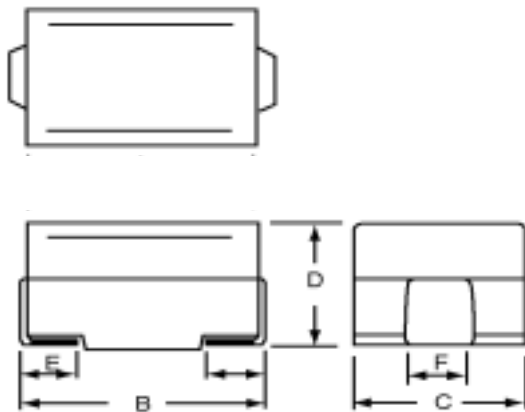
FEATURE

1. Wire wound SMD inductors
2. Highly accurate dimensions and reliable
3. WLC type are low DC resistance, high current for the power line

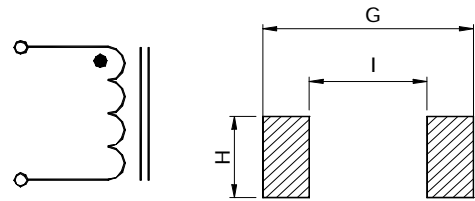
Applications

1. Digital camera or small size LCD panel used
2. Hard Disk drives, and other electronic equipment

Shape and Dimension



Schematics and Land Patterns(mm)



Specification

Dimension in m/m

TYPE	B	C	D	E	F	G	I	H
WL252018(1008)	2.50±0.20	2.00±0.20	1.80±0.20	0.45	1.40	3.00	1.40	2.00
WL322522(1210)	3.20±0.30	2.50±0.20	2.20±0.20	0.60	1.10	4.00	2.00	1.60
WL453232(1812)	4.50±0.30	3.20±0.20	3.20±0.20	0.90	1.30	6.00	3.00	2.50
WL565050(2220)	5.60±0.30	5.00±0.30	5.00±0.30	1.00	2.00	8.00	4.00	4.50
WLC322522(1210)	3.20±0.30	2.50±0.20	2.20±0.20	0.60	1.10	4.00	2.00	1.60
WLC453232(1812)	4.50±0.30	3.20±0.20	3.20±0.20	0.90	1.30	6.00	3.00	2.50

Note1. Measurement frequency of Inductance value : at electrical characteristics

Note2. Measurement ambient temperature of L, DCR and IDC : at 25

Note3. IDC : This indicates the value of current when the inductances is 10% lower than its initial value at D.C. superimposition or D.C. current when at $t=20$, which is lower. ($T_a=20$)

Note4. Inductance tolerance: J: ±5% ; K: ±10% ; M: ±20%

Note5. This specification might be changed without notice due to under developing and improving.

Thank you for your understanding.

P/N	L (μ H)	TEST FREQ. (MHz)	Q Min	SRF (MHz) Min	RDC ()Max	IDC (mA)Max
WL252018-R15K	0.15	25.2	30	550	0.42	480
WL252018-R18K	0.18	25.2	30	500	0.46	460
WL252018-R22K	0.22	25.2	30	450	0.52	430
WL252018-R27K	0.27	25.2	30	425	0.56	420
WL252018-R33K	0.33	25.2	30	400	0.60	400
WL252018-R39K	0.39	25.2	30	375	0.65	375
WL252018-R47K	0.47	25.2	30	350	0.68	350
WL252018-R56K	0.56	25.2	30	300	0.75	325
WL252018-R68K	0.68	25.2	30	270	0.85	300
WL252018-R82K	0.82	25.2	30	250	1.00	260
WL252018-1R0J	1.0	7.96	30	220	1.10	245
WL252018-1R2J	1.2	7.96	30	180	1.20	230
WL252018-1R5J	1.5	7.96	30	135	1.30	220
WL252018-1R8J	1.8	7.96	30	100	1.45	210
WL252018-2R2J	2.2	7.96	30	75	1.55	200
WL252018-2R7J	2.7	7.96	30	55	1.70	195
WL252018-3R3J	3.3	7.96	30	48	1.90	185
WL252018-3R9J	3.9	7.96	30	43	2.10	180
WL252018-4R7J	4.7	7.96	30	40	2.30	175
WL252018-5R6J	5.6	7.96	25	36	2.50	170
WL252018-6R8J	6.8	7.96	25	33	2.70	165
WL252018-8R2J	8.2	7.96	25	30	3.05	160
WL252018-100J	10	2.52	25	27	3.50	155
WL252018-120J	12	2.52	25	23	3.80	150
WL252018-150J	15	2.52	25	20	4.40	140
WL252018-180J	18	2.52	25	18	4.80	130
WL252018-220J	22	2.52	25	17	5.50	125
WL252018-270J	27	2.52	25	16	6.30	115
WL252018-330J	33	2.52	25	15	7.10	110
WL252018-390J	39	2.52	20	14	9.50	90
WL252018-470J	47	2.52	20	13	11.10	80
WL252018-560J	56	2.52	20	12	12.10	75
WL252018-680J	68	2.52	20	11	16.60	70
WL252018-820J	82	2.52	20	10	19.00	65
WL252018-101J	100	0.796	15	9	21.00	60

Your Perfect Inductor

P/N	L (μ H)	TEST FREQ. (MHz)	Q Min	SRF (MHz) Min	RDC ()Max	IDC (mA)Max
WL322522-R12K	0.12	25.2	30	500	0.22	450
WL322522-R15K	0.15	25.2	30	450	0.25	450
WL322522-R18K	0.18	25.2	30	400	0.28	450
WL322522-R22K	0.22	25.2	30	350	0.32	450
WL322522-R27K	0.27	25.2	30	320	0.36	450
WL322522-R33K	0.33	25.2	30	300	0.40	450
WL322522-R39K	0.39	25.2	30	250	0.45	450
WL322522-R47K	0.47	25.2	30	220	0.50	450
WL322522-R56K	0.56	25.2	30	180	0.55	450
WL322522-R68K	0.68	25.2	30	160	0.60	450
WL322522-R82K	0.82	25.2	30	140	0.65	450
WL322522-1R0K	1.0	7.96	30	120	0.70	400
WL322522-1R2K	1.2	7.96	30	100	0.75	390
WL322522-1R5K	1.5	7.96	30	85	0.85	370
WL322522-1R8K	1.8	7.96	30	80	0.90	350
WL322522-2R2K	2.2	7.96	30	75	1.00	320
WL322522-2R7K	2.7	7.96	30	70	1.10	290
WL322522-3R3K	3.3	7.96	30	60	1.20	260
WL322522-3R9K	3.9	7.96	30	55	1.30	250
WL322522-4R7K	4.7	7.96	30	50	1.50	220
WL322522-5R6K	5.6	7.96	30	47	1.60	200
WL322522-6R8K	6.8	7.96	30	43	1.80	180
WL322522-8R2K	8.2	7.96	30	40	2.00	170
WL322522-100K	10	2.52	30	36	2.10	150
WL322522-120K	12	2.52	30	33	2.50	140
WL322522-150K	15	2.52	30	28	2.80	130
WL322522-180K	18	2.52	30	25	3.30	120
WL322522-220K	22	2.52	30	23	3.70	110
WL322522-270K	27	2.52	30	18	5.00	80
WL322522-330K	33	2.52	30	17	5.60	70
WL322522-390K	39	2.52	30	16	6.40	65
WL322522-470K	47	2.52	30	15	7.00	60
WL322522-560K	56	2.52	30	13	8.00	55
WL322522-680K	68	2.52	30	12	9.00	50
WL322522-101K	100	0.796	20	10	11.00	40

Your Perfect Inductor

P/N	L (μ H)	TEST FREQ. (MHz)	Q Min	SRF (MHz) Min	RDC (Ω)Max	IDC (mA)Max
WL453232-R10K	0.10	25.2	35	300	0.18	800
WL453232-R12K	0.12	25.2	35	280	0.20	770
WL453232-R15K	0.15	25.2	35	250	0.22	730
WL453232-R18K	0.18	25.2	35	220	0.24	700
WL453232-R22K	0.22	25.2	40	200	0.25	665
WL453232-R27K	0.27	25.2	40	180	0.26	635
WL453232-R33K	0.33	25.2	40	165	0.28	605
WL453232-R39K	0.39	25.2	40	150	0.30	575
WL453232-R47K	0.47	25.2	40	145	0.32	545
WL453232-R56K	0.56	25.2	40	140	0.36	520
WL453232-R68K	0.68	25.2	40	135	0.40	500
WL453232-R82K	0.82	25.2	40	130	0.45	475
WL453232-1R0K	1.0	7.96	50	100	0.50	450
WL453232-1R2K	1.2	7.96	50	80	0.55	430
WL453232-1R5K	1.5	7.96	50	70	0.60	410
WL453232-1R8K	1.8	7.96	50	60	0.65	390
WL453232-2R2K	2.2	7.96	50	55	0.70	380
WL453232-2R7K	2.7	7.96	50	50	0.75	370
WL453232-3R3K	3.3	7.96	50	45	0.80	355
WL453232-3R9K	3.9	7.96	50	40	0.90	330
WL453232-4R7K	4.7	7.96	50	35	1.00	315
WL453232-5R6K	5.6	7.96	50	33	1.10	300
WL453232-6R8K	6.8	7.96	50	27	1.20	285
WL453232-8R2K	8.2	7.96	50	25	1.40	270
WL453232-100K	10	2.52	50	20	1.60	250
WL453232-120K	12	2.52	50	18	2.00	225
WL453232-150K	15	2.52	50	17	2.50	200
WL453232-180K	18	2.52	50	15	2.80	190
WL453232-220K	22	2.52	50	13	3.20	180
WL453232-270K	27	2.52	50	12	3.60	170
WL453232-330K	33	2.52	50	11	4.00	160
WL453232-390K	39	2.52	50	10	4.50	150
WL453232-470K	47	2.52	50	10	5.00	140
WL453232-560K	56	2.52	50	9	5.50	135
WL453232-680K	68	2.52	50	9	6.00	130

Your Perfect Inductor

P/N	L (μ H)	TEST FREQ. (MHz)	Q Min	SRF (MHz) Min	RDC ()Max	IDC (mA)Max
WL453232-820K	82	2.52	50	8	7.00	120
WL453232-101K	100	0.796	40	8	8.00	110
WL453232-121K	120	0.796	40	6	8.00	110
WL453232-151K	150	0.796	40	5	9.00	105
WL453232-181K	180	0.796	40	5	9.50	102
WL453232-221K	220	0.796	40	4	10.0	100
WL453232-271K	270	0.796	40	4	12.0	92
WL453232-331K	330	0.796	40	3.5	14.0	85
WL453232-391K	390	0.796	40	3.0	18.0	80
WL453232-471K	470	0.796	40	3.0	26.0	62
WL453232-561K	560	0.796	40	3.0	30.0	50
WL453232-681K	680	0.796	40	3.0	30.0	50
WL453232-821K	820	0.796	40	2.5	35.0	30
WL453232-102K	1000	0.252	40	2.5	40.0	30
WL565050-1R0K	1.0	7.96	10	95	0.030	1800
WL565050-1R2K	1.2	7.96	10	70	0.035	1700
WL565050-1R5K	1.5	7.96	10	55	0.04	1600
WL565050-1R8K	1.8	7.96	10	47	0.05	1400
WL565050-2R2K	2.2	7.96	10	42	0.06	1300
WL565050-2R7K	2.7	7.96	10	37	0.07	1200
WL565050-3R3K	3.3	7.96	10	34	0.08	1120
WL565050-3R9K	3.9	7.96	10	32	0.09	1050
WL565050-4R7K	4.7	7.96	10	29	0.11	950
WL565050-5R6K	5.6	7.96	10	26	0.13	880
WL565050-6R8K	6.8	7.96	10	24	0.15	810
WL565050-8R2K	8.2	7.96	10	22	0.18	750
WL565050-100K	10	2.52	10	19	0.21	690
WL565050-120K	12	2.52	10	17	0.25	630
WL565050-150K	15	2.52	10	16	0.30	580
WL565050-180K	18	2.52	10	14	0.36	530
WL565050-220K	22	2.52	10	13	0.43	480
WL565050-270K	27	2.52	10	11.5	0.52	440
WL565050-330K	33	2.52	10	10.5	0.62	400
WL565050-390K	39	2.52	10	9.5	0.72	370
WL565050-470K	47	2.52	10	8.5	0.85	340

Your Perfect Inductor

P/N	L (μ H)	TEST FREQ. (MHz)	Q Min	SRF (MHz) Min	RDC ()Max	IDC (mA)Max
WL565050-560K	56	2.52	10	7.8	1.00	310
WL565050-680K	68	2.52	10	7	1.20	290
WL565050-820K	82	2.52	10	6.4	1.40	270
WL565050-101K	100	0.796	20	6	1.60	250
WL565050-151K	150	0.796	20	4.8	2.20	210
WL565050-181K	180	0.796	20	4.4	2.80	190
WL565050-221K	220	0.796	20	3.9	3.40	170
WL565050-271K	270	0.796	20	3.6	4.20	155
WL565050-331K	330	0.796	20	3.2	4.90	140
WL565050-391K	390	0.796	20	2.9	5.80	130
WL565050-471K	470	0.796	20	2.6	7.00	120
WL565050-561K	560	0.796	20	2.4	8.50	110
WL565050-681K	680	0.796	20	2.2	10	100
WL565050-821K	820	0.796	20	2	13	90
WL565050-102K	1000	0.252	20	1.8	15	85
WL565050-122K	1200	0.252	30	1.5	17	75
WL565050-152K	1500	0.252	30	1.4	20	70
WL565050-182K	1800	0.252	30	1.3	30	60
WL565050-222K	2200	0.252	30	1.2	35	55
WL565050-272K	2700	0.252	30	1.1	55	45
WL565050-332K	3300	0.252	30	1	60	40
WL565050-392K	3900	0.252	30	1	70	38
WL565050-472K	4700	0.252	30	0.9	78	36
WL565050-562K	5600	0.252	30	0.8	85	33
WL565050-682K	6800	0.252	30	0.7	110	30
WL565050-822K	8200	0.252	30	0.6	125	28
WL565050-103K	10000	0.0796	20	0.5	150	25

P/N	L (μ H)	TEST FREQ. (MHz)	Q Min	SRF (MHz) Min	RDC ()Max	IDC (mA)Max
WLC322522-1R0M	1.0	7.96	10	100	0.156	770
WLC322522-1R5M	1.5	7.96	10	80	0.195	580
WLC322522-2R2M	2.2	7.96	10	65	0.260	480
WLC322522-3R3M	3.3	7.96	10	55	0.325	400
WLC322522-4R7M	4.7	7.96	10	45	0.520	320
WLC322522-6R8M	6.8	7.96	10	35	0.650	280
WLC322522-100K	10	2.52	15	28	1.105	220
WLC322522-150K	15	2.52	15	25	1.690	180
WLC322522-220K	22	2.52	15	20	2.600	145
WLC322522-330K	33	2.52	15	15	3.640	115
WLC322522-470K	47	2.52	20	13	5.460	105
WLC322522-680K	68	2.52	20	10	8.450	85
WLC322522-101K	100	0.796	20	8	10.14	75
WLC453232-1R0K	1.0	7.96	10	180	0.11	1050
WLC453232-1R2K	1.2	7.96	10	160	0.12	1000
WLC453232-1R5K	1.5	7.96	10	130	0.15	950
WLC453232-1R8K	1.8	7.96	10	100	0.16	900
WLC453232-2R2K	2.2	7.96	10	80	0.18	850
WLC453232-2R7K	2.7	7.96	10	60	0.20	800
WLC453232-3R3K	3.3	7.96	10	45	0.22	750
WLC453232-3R9K	3.9	7.96	10	40	0.24	700
WLC453232-4R7K	4.7	7.96	10	35	0.27	650
WLC453232-5R6K	5.6	7.96	10	30	0.30	650
WLC453232-6R8K	6.8	7.96	10	28	0.35	600
WLC453232-8R2K	8.2	7.96	10	25	0.40	600
WLC453232-100K	10	2.52	10	22	0.50	550
WLC453232-120K	12	2.52	10	21	0.60	500
WLC453232-150K	15	2.52	10	20	0.70	450
WLC453232-180K	18	2.52	10	19	0.80	400
WLC453232-220K	22	2.52	10	18	0.90	370
WLC453232-270K	27	2.52	10	16	1.20	330
WLC453232-330K	33	2.52	10	14	1.40	300
WLC453232-390K	39	2.52	10	12	1.60	280
WLC453232-470K	47	2.52	10	11.5	1.90	260
WLC453232-560K	56	2.52	10	11	2.20	240

Your Perfect Inductor

P/N	L (μ H)	TEST FREQ. (MHz)	Q Min	SRF (MHz) Min	RDC ()Max	IDC (mA)Max
WLC453232-680K	68	2.52	10	10	2.60	220
WLC453232-820K	82	2.52	10	9	3.50	200
WLC453232-101K	100	0.796	20	8	4.00	180
WLC453232-121K	120	0.796	20	7.5	4.50	160
WLC453232-151K	150	0.796	20	7.0	6.50	140
WLC453232-181K	180	0.796	20	6.5	7.50	120
WLC453232-221K	220	0.796	20	5.5	9.00	120
WLC453232-271K	270	0.796	20	5.0	11.0	100
WLC453232-331K	330	0.796	20	4.0	13.0	90
WLC453232-391K	390	0.796	30	3.0	13.5	85
WLC453232-471K	470	0.796	30	3.0	15.0	75
WLC453232-561K	560	0.796	30	3.0	17.0	70
WLC453232-681K	680	0.796	30	2.5	22.8	65