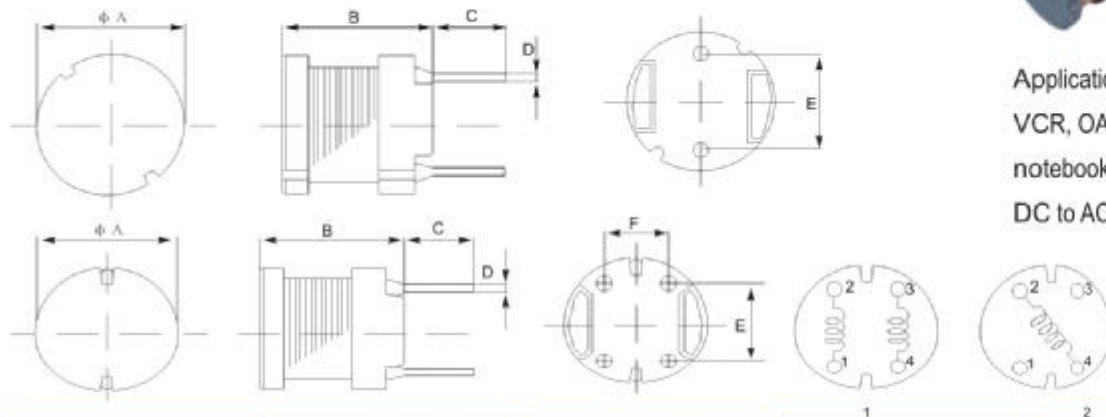


LCH Series

Dimensions and Land Patterns. (UNIT: mm)



Applications:

VCR, OA equipment, LCD,
notebook, DC to DC converters,
DC to AC inverters.

TYPE	φ A(max.)	B(max.)	C	D	E	F
LCH654	6.50	5.00	2.50	0.50	4.00	
LCH855	8.30	5.50	2.50	0.70	5.00	
LCH875	8.30	7.50	2.50	0.70	5.00	
LCH895	8.30	9.80	2.50	0.70	5.00	
LCH106	10.50	6.00	2.50	0.70	5.00	4.00
LCH110	10.50	10.50	2.50	0.70	5.00	4.00
LCH114	10.50	14.40	2.50	0.80	5.00	4.00

PIN POWER INDUCTORS

TYPE: LCH654, LCH855, LCH875, LCH895

Parts No.	L (H)	LCH654		LCH855		LCH875		LCH895	
		D.C.R(Ω) : Rated Current		D.C.R(Ω) : Rated Current		D.C.R(Ω) : Rated Current		D.C.R(Ω) : Rated Current	
		MAX.	(A)	MAX.	(A)	MAX.	(A)	MAX.	(A)
1R0	1.0u	29m	3.00	16m	2.90	11.8m	4.10	11.6m	4.60
1R5	1.5u	34m	2.85	18m	3.00	12.6m	4.00	12.2m	4.30
2R2	2.2u	40m	2.35	20m	3.50	13.8m	3.90	13.6m	4.20
2R7	2.7u	46m	2.05	23m	3.70	15.5m	3.50	14.5m	3.90
3R3	3.3u	48m	1.98	26m	3.24	17.0m	3.40	15.5m	3.70
3R9	3.9u	55m	1.83	29m	3.16	18.2m	3.25	16.5m	3.30
4R7	4.7u	60m	1.74	33m	2.92	20.7m	3.16	18.5m	3.10
5R6	5.6u	66m	1.53	37m	2.77	22.0m	2.90	20.5m	3.00
6R8	6.8u	70m	1.46	42m	2.52	23.0m	2.80	21.0m	2.85
8R2	8.2u	85m	1.26	45m	2.28	26.5m	2.54	23.0m	2.60
100	10u	91m	1.20	70m	1.56	50m	2.30	40m	2.40
120	12u	100m	1.05	80m	1.32	60m	2.15	43m	2.28
150	15u	120m	980m	90m	1.14	70m	1.68	50m	2.10
180	18u	130m	930m	100m	1.08	80m	1.55	52m	1.90
220	22u	180m	900m	120m	920m	90m	1.44	60m	1.68
270	27u	210m	810m	140m	865m	110m	1.20	62m	1.55
330	33u	270m	740m	170m	800m	130m	1.10	70m	1.32
390	39u	290m	680m	210m	700m	140m	1.05	80m	1.25
470	47u	340m	620m	240m	680m	150m	1.00	100m	1.18
560	56u	420m	570m	310m	600m	180m	880m	110m	1.0/8
680	68u	480m	510m	340m	560m	200m	820m	140m	970m
820	82u	550m	470m	400m	510m	240m	755m	160m	910m
101	100u	680m	420m	520m	445m	350m	700m	190m	865m
121	120u	770m	390m	590m	430m	360m	600m	220m	800m
151	150u	950m	350m	710m	385m	420m	550m	270m	720m
181	180u	1.15	320m	890m	360m	570m	490m	310m	650m
221	220u	1.30	290m	1.04	335m	630m	455m	380m	600m
271	270u	1.55	260m	1.28	300m	880m	380m	530m	490m
331	330u	2.18	230m	1.47	275m	1.05	360m	610m	470m
391	390u	2.47	210m	1.67	260m	1.17	348m	690m	440m
471	470u	2.92	200m	1.95	240m	1.34	335m	890m	380m
561	560u	3.97	180m	2.83	190m	1.72	275m	1.05	360m
681	680u	4.57	160m	3.25	180m	1.96	260m	1.18	320m
821	820uH	5.28	150m	3.82	170m	2.56	228m	1.57	288m
102	1.0mH	7.06	130m	5.30	145m	2.94	215m	1.85	260m

※ 测试条件: L≤8.2uH 测试频率100KHz / 0.25V, (M±20%);

L>8.2uH 测试频率1KHz / 0.25V, (K±10%);

※ 测试仪表: HP4291B、502BC、CH1062.

PIN POWER INDUCTORS

TYPE: LCH106, LCH110, LCH114

Parts No.	L (H)	LCH106		LCH110		LCH114	
		D.C.R(Ω): MAX.	Rated Current (A)	D.C.R(Ω): MAX.	Rated Current (A)	D.C.R(Ω): MAX.	Rated Current (A)
1R0	1.0u	6.0m	8.38	5m	9.00	8m	10
2R7	2.7u	13.5m	5.40	10m	6.50	16m	8.20
5R1	5.1u	22.5m	4.15	14m	7.10	20m	7.30
6R3	6.3u	26.5m	3.78	16m	6.80	26m	4.30
8R2	8.2u	38m	3.40	20m	5.00	30m	4.10
100	10u	46m	3.25	22m	5.30	33m	4.00
120	12u	51m	2.98	23m	4.90	35m	3.90
150	15u	67m	2.60	26m	4.40	40m	3.70
180	18u	74m	2.40	33m	4.00	48m	3.50
220	22u	100m	2.16	37m	3.60	55m	3.30
270	27u	115m	1.98	48m	3.30	58m	3.10
330	33u	125m	1.80	55m	2.90	65m	2.90
390	39u	160m	1.62	73m	2.70	75m	2.70
470	47u	185m	1.53	83m	2.50	85m	2.50
560	56u	218m	1.35	92m	2.30	105m	2.30
680	68u	250m	1.26	120m	2.10	120m	2.10
820	82u	333m	1.20	140m	1.90	130m	1.90
101	100u	370m	1.17	160m	1.70	145m	1.70
121	120u	435m	1.08	200m	1.50	195m	1.50
151	150u	575m	900m	230m	1.40	220m	1.40
181	180u	645m	755m	310m	1.30	260m	1.30
221	220u	900m	685m	340m	1.10	350m	1.20
271	270u	1.05	620m	400m	1.00	390m	1.10

※ 测试条件: $L \leq 8.2\mu\text{H}$ 测试频率100KHz / 0.25V, (M \pm 20%);

$L > 8.2\mu\text{H}$ 测试频率1KHz / 0.25V, (K \pm 10%);

※ 测试仪表: HP4291B、502BC、CH1062。