

THROUGH-HOLE AXIAL UL TUBE POWER CHOKES LCHA SERIES

1425,1122,0617,0410,

FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent Environmental Characteristics
- High Reliability
- High Inductance and Lower RDC

OPTIONS:

- Bulk Packaging is Standard (Qty: 500 pcs.)
- Tolerance: 10% is Standard, Tighter Tolerances Available

COMMON APPLICATIONS:

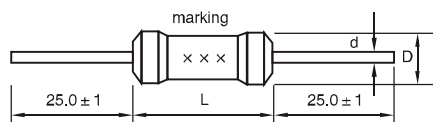
- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

STANDARD SPECIFICATIONS:

Part Number LCHA-xx-	L (μH)	1425			1122			0617			0410		
		DCR Max. Ω @+20°C	I Sat A(max)	Idc A(max)	DCR Max. Ω @+20°C	I Sat A(max)	Idc A(max)	DCR Max. Ω @+20°C	I Sat A(max)	Idc A(max)	DCR Max. Ω @+20°C	I Sat mA(max)	Idc mA(max)
3R9K	3.9	.007	470	6.0	.007	15.5	4.0	.019	7.3	1.70	.060	1800	1500
4R7K	4.7	.008	42.0	6.0	.008	13.9	4.0	.022	6.3	1.50	.068	1700	1400
5R6K	5.6	.009	35.0	6.0	.011	12.6	4.0	.024	5.6	1.40	.074	1600	1300
6R8K	6.8	.010	29.0	6.0	.011	11.6	4.0	.026	5.3	1.35	.080	1600	1200
8R2K	8.2	.011	24.0	6.0	.013	9.89	4.0	.028	4.5	1.30	.087	1500	1100
100K	10	.012	19.0	6.0	.017	8.70	4.0	.033	4.1	1.30	.095	1500	970
120K	12	.013	16.0	6.0	.019	8.21	4.0	.037	3.6	1.30	.110	1400	860
150K	15	.014	13.5	6.0	.022	7.34	4.0	.040	3.3	1.28	.115	1200	790
180K	18	.015	11.3	6.0	.023	6.64	4.0	.044	3.0	1.28	.160	1100	710
220K	22	.016	9.24	6.0	.026	6.07	4.0	.050	2.7	1.00	.190	1000	640
270K	27	.017	7.7	6.0	.027	5.36	4.0	.058	2.5	1.00	.220	950	580
330K	33	.021	10.2	6.0	.032	4.82	4.0	.075	2.2	1.00	.350	910	530
390K	39	.023	9.3	6.0	.033	4.36	4.0	.094	2.0	1.00	.260	880	480
470K	47	.025	8.7	6.0	.035	3.98	4.0	.109	1.8	1.00	.350	760	430
560K	56	.028	8.0	6.0	.037	3.66	3.2	.140	1.7	.840	.470	650	400
680K	68	.039	7.0	4.7	.047	3.31	2.5	.145	1.5	.610	.530	610	370
820K	82	.043	6.3	4.7	.060	3.10	2.0	.152	1.4	.520	.600	580	330
101K	100	.055	5.7	3.8	.090	2.79	1.6	.208	1.2	.520	.670	550	300
121K	120	.076	5.3	3.0	.118	5.54	1.6	.283	1.1	.420	.900	470	270
151K	150	.084	4.7	3.0	.128	2.22	1.6	.340	1.0	.420	1.20	410	250
181K	180	.096	4.3	3.0	.150	1.98	1.6	.362	.95	.420	1.40	380	220
221K	220	.108	4.0	3.0	.162	1.89	1.6	.430	.86	.420	1.90	320	200
271K	270	.151	3.6	2.3	.208	1.63	1.6	.557	.77	.330	2.10	310	180
331K	330	.168	3.2	2.3	.212	1.57	1.6	.665	.70	.330	2.40	290	170
391K	390	.182	2.9	2.3	.281	1.39	1.6	.772	.64	.330	3.0	260	150
471K	470	.202	2.6	2.3	.380	1.24	1.2	1.15	.59	.315	3.40	240	140
561K	560	.348	2.4	1.4	.420	1.17	1.0	1.27	.54	.315	4.70	210	130
681K	680	.470	2.2	1.2	.548	1.05	1.0	1.61	.49	.250	6.40	180	110
821K	820	.500	2.0	1.2	.655	.97	0.8	1.96	.44	.200	7.1	170	100
102K	1000	.570	1.8	1.2	.844	.87	0.8	2.30	.40	.200	7.9	160	95
122K	1200	.648	1.70	1.200	1.04	.79	0.6	2.65	.35	.200	9.0	150	87
152K	1500	.888	1.55	0.900	1.18	.70	0.6	3.45	.33	.158	12.0	130	78
182K	1800	1.16	1.40	0.750	1.56	.64	0.6	4.03	.29	.158	14.0	120	71
222K	2200	1.20	1.25	0.750	2.00	.58	0.5	4.48	.27	.158	19.0	100	64
272K	2700	1.44	1.10	0.750	2.06	.53	0.4	5.90	.24	.125	25.0	90	58
332K	3300	1.92	1.000	0.590	2.53	.47	0.4	6.56	.220	.125	29.0	83	52
392K	3900	2.16	0.900	0.590	2.75	.43	0.4	8.63	.200	.100	34.0	77	48
472K	4700	2.50	0.850	0.590	3.19	.39	0.4	10.50	.180	.100	37.0	74	44
562K	5600	3.20	0.780	0.450	3.92	.359	0.315	13.90	.166	.082	50.0	63	40
682K	6800	4.00	0.700	0.450	5.69	.322	0.250	16.30	.151	.082	58.0	59	36
822K	8200	5.20	0.650	0.350	6.32	.293	0.250	20.80	.136	.065	66.0	54	33
103K	10000	6.00	0.600	0.350	7.30	.266	0.250	26.40	.125	.050	75.0	52	30
123K	12000	8.00	0.540	0.270	9.21	.241	0.200	29.90	.114	.050			
153K	15000	10.00	0.480	0.200	10.50	.214	0.200	42.50	.098	.039			
183K	18000	11.00	0.460	0.200	14.80	.198	0.158	48.30	.091	.039			
223K	22000	13.00	0.390	0.200	21.8	.180	0.125						
273K	27000	15.00	0.355	0.200	22.7	.162	0.125						
333K	33000	21.00	0.330	0.160	25.7	.146	0.125						
393K	39000	23.20	0.300	0.160	31.8	.135	0.100						
473K	47000	32.00	0.270	0.120	36.1	.122	0.100						
563K	56000	35.00	0.175	0.120	40.9	.112	0.100						
683K	68000	48.00	0.145	0.095	57.3	.101	0.082						
823K	82000	54.30	0.120	0.095	79.3	.090	0.065						
104K	100000	68.50	0.100	0.070	89.7	.081	0.065						
124K	120000	75.00	0.080	0.070									
154K	150000	84.30	0.060	0.070									

TECHNICAL INFORMATION:

Testing: LCR Bridge measured @ 1KHz 0.1V HP 4284A
(Equivalent acceptable)
RDC: QuadTech 1880 Milliohmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55°C to +125°C
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance



Part Number	dimension(mm)		
	L	D(φ)	D(φ)
LCHA0410	10.8	4	0.6 ± 0.05
LCHA0617	17.8	6.6	0.8 ± 0.05
LCHA1122	22	11	0.8 ± 0.05
LCHA1425	25	14	0.8 ± 0.05

Note: 1. K = ± 10%, M = ± 20%

Note: All specifications subject to change without notice.