

THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

# LCHB SERIES

0406,0806,0810,0912,1012,1415

**FEATURES:**

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

**OPTIONS:**

- Packaging: Bulk is standard
- Tolerance: 10% is standard, tighter tolerances available

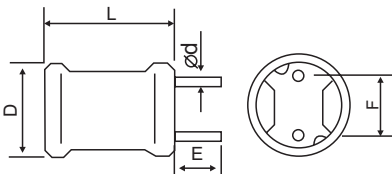
**COMMON APPLICATIONS:**

- Televisions
- Audio Equipment
- Amplifiers
- DC/DC Convertors
- Noise Filtering

**ELECTRICAL CHARACTERISTICS:**

Part No. LCHB-X X X X-	Inductance ( $\mu$ H)	IDC(mA)						DC R( $\Omega$ )Max.					
		0406	0806	0810	0912	1012	1415	0406	0806	0810	0912	1012	1415
100K	10	.620		2.6	4.5	5.3	4.0	.060		0.04	0.027	0.022	.015
120K	12	.620		2.6	4.1	4.9	4.0	.072		0.04	0.031	0.023	.016
150K	15	.620		2.1	3.7	4.4	4.0	.078		0.05	0.036	0.026	.017
180K	18	.490		2.0	3.4	4.0	4.0	.108		0.05	0.049	0.033	.019
220K	22	.385	1.27	1.7	3.1	3.6	4.0	.144	0.11	0.06	0.055	0.037	.021
270K	27	.300	1.14	1.6	2.8	3.3	4.0	.168	0.14	0.06	0.062	0.048	.023
330K	33	.300	1.03	1.4	2.5	2.9	4.0	.200	0.17	0.07	0.079	0.055	.027
390K	39	.300	0.95	1.4	2.3	2.7	4.0	.220	0.19	0.08	0.087	0.073	.029
470K	47	.300	0.87	1.3	2.1	2.5	3.3	.240	0.23	0.10	0.099	0.083	.031
560K	56	.300	0.80	1.2	1.9	2.3	3.3	.265	0.26	0.11	0.13	0.092	.035
680K	68	.250	0.72	1.1	1.7	2.1	3.3	.380	0.28	0.14	0.14	0.12	.041
820K	82	.250	0.66	1.0	1.6	1.9	2.6	.445	0.39	0.16	0.16	0.14	.052
101K	100	.190	0.59	0.90	1.4	1.7	2.6	.590	0.43	0.19	0.21	0.16	.056
121K	120	.190	0.54	0.82	1.3	1.5	2.0	.640	0.54	0.22	0.24	0.20	.060
151K	150	.190	0.48	0.74	1.2	1.4	2.0	.730	0.64	0.27	0.32	0.23	.078
181K	180	.190	0.44	0.71	1.1	1.3	2.0	.850	0.74	0.31	0.35	0.31	.096
221K	220	.150	0.40	0.64	0.96	1.1	1.60	1.20	0.96	0.38	0.45	0.34	.147
271K	270	.150	0.36	0.57	0.87	1.0	1.60	1.32	1.12	0.53	0.61	0.40	.175
331K	330	.120	0.33	0.51	0.79	0.93	1.30	1.75	1.48	0.61	0.69	0.52	.192
391K	390	.120	0.30	0.48	0.72	0.86	1.30	1.95	1.66	0.69	0.78	0.65	.210
471K	470	.120	0.27	0.43	0.66	0.78	1.30	2.00	1.91	0.89	1.0	0.71	.240
561K	560	.095	0.25	0.40	0.60	0.71	1.0	2.90	2.31	1.01	1.2	1.0	.315
681K	680	.095	0.23	0.35	0.55	0.65	1.0	3.10	2.67	1.81	1.4	1.0	.360
821K	820	.076	0.21	0.32	0.50	0.59	.800	4.30	3.10	1.57	1.8	1.3	.460
102K	1000	.060	0.19	0.30	0.45	0.53	.800	5.50	4.45	1.84	2.1	1.7	.540
122K	1200	.060		0.27			.620	6.30		2.10			.660
152K	1500	.060		0.23			.620	7.20		2.80			.780
182K	1800	.046		0.21			.490	9.60		3.21			.990
222K	2200	.046		0.19			.490	11.5		4.21			1.20
272K	2700	.046		0.17			.490	13.0		4.94			1.32
332K	3300	.036		0.15			.385	17.0		6.16			1.80
392K	3900	.036		0.14			.385	19.0		6.84			2.10
472K	4700	.030		0.13			.385	24.0		7.89			2.70
562K	5600	.030		0.12			.300	29.0		11.5			3.15
682K	6800	.024		0.11			.250	42.0		13.2			3.60
822K	8200	.018		0.10			.250	48.0		15.2			4.30
103K	10000	.018		0.089			.250	55.0		22.0			5.15
123K	12000	.018		0.073			.190	64.0		25.0			2.85
153K	15000	.015		0.068			.190	82.0		29.0			8.30
183K	18000	.015		0.066			.150	96.0		38.1			10.20
223K	22000	.015		0.059				110.0		44.9			11.70
273K	27000			0.052				4.0		55.7			13.0
333K	33000			0.048				4.0		64.2			18.40
393K	39000			0.042				4.0		74.2			21.0
473K	47000			0.038				4.0		96.4			27.0

**TECHNICAL INFORMATION**  
 Testing:LCR Bridge measured @ 1KHz  
 (Equivalent acceptable)  
 RDC: QuadTech 1880 Milliohm meter  
 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



Dimension: mm

Part Number	D	L	E	F	$\phi$ d
LCHB0406	5.7	7.3	5/15	2	0.5
LCHB0806	8.8	8.0	5/15	5	0.6
LCHB0810	8.8	12.0	5/15	5	0.6
LCHB0912	10.0	14	5/15	5	0.6
LCH1012	11.0	14	5/15	5	0.8
LCH1415	15.5	18	5/15	7.5	1.0

Note:All specifications subject to change without notice.

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