

High Swing Inductors

Single Layer Wound

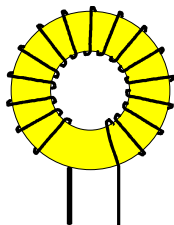
Leads are Pre-Tinned

Shrink Tubing Optional

Varnish Finish Optional

Custom Versions Available

Vertical Base Mounting Available



Well Suited for Switch Mode Power Supplies and other applications requiring large changes in Inductance vs. large changes in Current

Composite Material

2/3 Hydrogen Reduced Powdered Iron and 1/3 Power Ferrite

From 10:1 to greater than 20:1 Inductance Swing From Zero to Maximum Current

Part Number	L ⁽¹⁾ Typ. (mH)	IDC ⁽²⁾ 10% (mA)	IDC ⁽²⁾ 20% (mA)	IDC ⁽²⁾ 30% (mA)	IDC ⁽²⁾ 40% (mA)	IDC ⁽²⁾ 50% (mA)	IDC ⁽²⁾ 70% (mA)	IDC ⁽²⁾ 90% (mA)	IDC ⁽²⁾ 95% (mA)	Lead Size AWG	I ⁽³⁾ Max. (mA)	DCR Nom. (Ω)	Size Code
L-14800	7.13	4.0	6.0	8.0	10.0	14.0	24.0	80	600	36	335	3.50	10
L-14801	4.51	5.0	7.5	10.1	12.6	17.6	30.2	101	754	34	478	1.75	10
L-14802	2.69	6.5	9.8	13.0	16.3	22.8	39.1	130	976	32	680	0.83	10
L-14803	1.70	8.2	12.3	16.4	20.5	28.7	49.1	164	1228	30	969	0.41	10
L-14804	1.02	10.6	15.9	21.2	26.4	37.0	63.5	212	1587	28	1380	0.20	10
L-14805	16.30	5.3	7.9	10.6	13.2	18.5	31.7	106	791	34	478	3.00	11
L-14806	12.52	6.0	9.0	12.0	15.0	21.1	36.1	120	903	32	680	1.63	11
L-14807	8.07	7.5	11.2	15.0	18.7	26.2	45.0	150	1125	30	969	0.81	11
L-14808	5.14	9.4	14.1	18.8	23.5	32.9	56.4	188	1409	28	1380	0.40	11
L-14809	3.13	12.0	18.1	24.1	30.1	42.1	72.2	241	1806	26	2000	0.19	11
L-14810	22.33	6.1	9.2	12.3	15.4	21.5	36.9	123	922	32	680	3.00	12
L-14811	14.42	7.7	11.5	15.3	19.1	26.8	45.9	153	1148	30	969	1.49	12
L-14812	9.23	9.6	14.3	19.1	23.9	33.5	57.4	191	1435	28	1380	0.74	12
L-14813	5.71	12.2	18.2	24.3	30.4	42.5	72.9	243	1823	26	2000	0.36	12
L-14814	3.45	15.7	23.5	31.3	39.1	54.8	93.9	313	2348	24	2810	0.17	12
L-14815	35.26	8.8	13.2	17.6	22.0	30.7	52.7	176	1317	30	969	3.10	13
L-14816	27.45	10.0	14.9	19.9	24.9	34.8	59.7	199	1493	28	1380	1.70	13
L-14817	22.23	11.1	16.6	22.1	27.6	38.7	66.3	221	1659	26	2000	0.95	13
L-14818	13.71	14.1	21.1	28.2	35.2	49.3	84.5	282	2113	24	2810	0.46	13
L-14819	8.61	17.8	26.7	35.5	44.4	62.2	106.6	355	2666	22	4000	0.23	13
L-14820	40.40	11.6	17.4	23.2	29.1	40.7	69.7	232	1744	28	1380	2.20	14
L-14821	35.56	12.4	18.6	24.8	31.0	43.4	74.3	248	1858	26	2000	1.28	14
L-14822	31.43	13.2	19.8	26.4	32.9	46.1	79.1	264	1977	24	2810	0.75	14
L-14823	19.60	16.7	25.0	33.4	41.7	58.4	100.1	334	2503	22	4000	0.37	14
L-14824	12.25	21.1	31.7	42.2	52.8	73.9	126.7	422	3167	20	5700	0.18	14

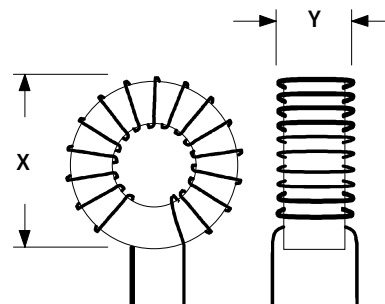
- 1) Typical Inductance with no DC. Tolerance of +30% / -20% Request detailed data sheets for specific test conditions.
- 2) Current which will produce the specified percentage reduction in Inductance.
- 3) Maximum DC current. This value is for a 40°C temperature rise due to copper loss.

Where I_{MAX} is greater than IDC @90%, the Inductors can be used for Swing Requirements producing a minimum Swing of 10:1.

Where I_{MAX} is greater than IDC @95%, the Inductors can be used for Swing Requirements producing a minimum Swing of 20:1.

Bare Coil Size Chart

Size Code	Dim. in inches	
	X	Y
10	0.575	0.345
11	0.910	0.470
12	1.100	0.550
13	1.600	0.700
14	2.100	0.860



Dimensions are nominal, based upon largest wire size used with each toroid size. Smaller wire will result in slightly lower dimensions.