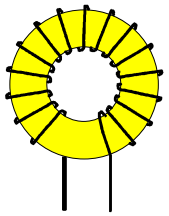
DC Energy Storage Inductors

IRON POWDER MATERIAL
(Hydrogen Reduced)

Well Suited for Switch Mode Power Supplies and Regulator Applications.



Part [1] Number	L [2] typ. (µH)	IDC [3] 20% Amps	IDC [4] 50% Amps	I [5] max. Amps	Energy min. [6] (µJ)	DCR nom. (mΩ)	Size Code	Lead Size AWG
L-14400	56.3	1.15	2.73	1.38	30	183	1	28
L-14401	33.3	1.49	3.55	1.97	30	89	1	26
L-14402 (K)	17.9	2.04	4.85	2.81	30	41	1	24
L-14403	76.0	1.11	2.64	1.38	38	255	2	28
L-14404	45.2	1.44	3.43	1.97	38	124	2	26
L-14405 (K)	25.9	1.90	4.53	2.81	38	59	2	24
L-14406	231.9	1.21	2.88	1.97	136	351	3	26
L-14407	139.2	1.56	3.72	2.81	136	170	3	24
L-14408 (K)	81.1	2.05	4.87	4.00	136	82	3	22
L-14409 (K)	47.1	2.68	6.39	5.70	136	39	3	20
L-14410 (K)	36.1	3.07	7.30	6.81	136	27	3	19
L-14411	671.9	1.28	3.04	1.97	438	598	4	26
L-14412	405.1	1.64	3.91	2.81	438	290	4	24
L-14413 (K)	241.9	2.13	5.06	4.00	438	142	4	22
L-14414 (K)	141.5	2.78	6.62	5.70	438	68	4	20
L-14415 (K)	107.5	3.19	7.59	6.81	438	47	4	19
L-14416	715.7	1.47	3.50	2.81	620	469	5	24
L-14417	443.6	1.87	4.45	4.00	620	232	5	22
L-14418	272.5	2.39	5.68	5.70	620	114	5	20
L-14419	210.7	2.71	6.46	6.81	620	80	5	19
L-14420	156.8	3.14	7.49	8.11	620	55	5	18
L-14421	529.2	1.82	4.33	4.00	700	277	6	22
L-14422	316.9	2.35	5.59	5.70	700	134	6	20
L-14423	252.3	2.63	6.27	6.81	700	95	6	19
L-14424	195.1	2.99	7.13	8.11	700	66	6	18
L-14425	145.2	3.47	8.27	9.70	700	45	6	17
L-14426	876.1	2.60	6.19	5.70	2368	207	7	20
L-14427	670.8	2.97	7.07	6.81	2368	144	7	19
L-14428	530.0	3.34	7.96	8.11	2368	102	7	18
L-14429	405.8	3.82	9.09	9.70	2368	70	7	17
L-14430	312.5	4.35	10.36	11.60	2368	49	7	16
L-14431	696.3	2.50	5.95	6.81	1737	196	8	19
L-14432	545.5	2.82	6.72	8.11	1737	137	8	18
L-14433	425.4	3.19	7.61	9.70	1737	96	8	17
L-14434	331.2	3.62	8.62	11.60	1737	67	8	16
L-14435	258.4	4.10	9.76	13.80	1737	47	8	15
L-14436	758.9	2.77	6.60	8.11	2334	172	9	18
L-14437	581.0	3.17	7.54	9.70	2334	119	9	17
L-14438	466.6	3.54	8.42	11.60	2334	85	9	16
L-14439	352.8	4.07	9.68	13.80	2334	58	9	15
L-14440	275.3	4.60	10.96	16.60	2334	41	9	14

1) Selected Parts available in Clip Mount Style. Example: L-14402K
2) Typical Inductance with no DC. Tolerance of ±10%. See Specific data sheets for test conditions.
3) Current which will produce a 20% reduction in L
4) Current which will produce a 50% reduction in L
5) Maximum DC current. This value is for a 40°C temperature rise due to copper loss, with AC flux density kept to 10 Gauss or less. (This typically represents a current ripple of less than 1%)
6) Energy storage capability of component in micro Joules. Value is for 20% reduction in permeability.

Single Layer Wound

Leads are Pre-Tinned

Custom Versions Available

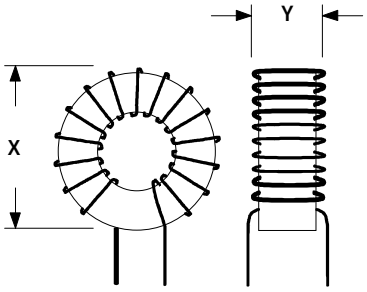
Vertical Base Mounting Available

Shrink Tubing Optional

Varnish Finish Optional

Semi-Encapsulated Versions or Clip Mount Package Style Available for some models

Where Imax is greater than IDC @ 50%, Inductors can be used for Swing requirements producing a minimum Swing of 2:1



Bare Coil Size Chart

Size Code	Dim. in inches X	Y
1	0.515	0.235
2	0.575	0.265
3	0.890	0.340
4	1.150	0.530
5	1.400	0.535
6	1.520	0.510
7	1.950	0.820
8	2.150	0.660
9	2.400	0.670

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

Clip Mount [1] Dimensions Refer to Drawing and Dimensions from Page 7.

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