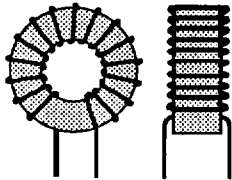


Power Inductors For Switch Mode Power Supplies & Regulator Applications

Available Materials: MPP(Mo & Ni & Fe), High Flux(Ni & Fe) & Sendust (Al & Si & Fe)



High Temperature Stability
Single Layer Wound - Leads Pre-Tinned
Options: Vertical Base Mounting, Shrink
Tubing, Varnish & Semi-Encapsulated

Material	Core Loss mW/cm ³ @4000 Gauss		
	@ 50 kHz	@ 100 kHz	@ 300 kHz
MPP	2737	7272	34231
High Flux	32819	76982	297337
Sendust	5657	16000	83138

MPP Material			High Flux Material			Sendust Material			L ⁽¹⁾ typ. (mH)	Lead Size AWG	I ⁽⁴⁾ Max. Amps	DCR Nom. (mΩ)	Size Code (5)
Part Number	IDC ⁽²⁾ 20% Amps	IDC ⁽³⁾ 50% Amps	Part Number	IDC ⁽²⁾ 20% Amps	IDC ⁽³⁾ 50% Amps	Part Number	IDC ⁽²⁾ 20% Amps	IDC ⁽³⁾ 50% Amps					
L-14500	2.74	5.60	L-14600	3.18	8.23	L-14700	2.20	4.94	39.5	28	1.38	183	1
L-14501	3.57	7.28	L-14601	4.14	10.70	L-14701	2.85	6.42	23.4	26	1.97	89	1
L-14502	4.87	9.92	L-14602	5.64	14.60	L-14702	3.89	8.76	12.6	24	2.81	41	1
L-14503	2.59	5.28	L-14603	3.00	7.76	L-14703	2.07	4.66	68.0	28	1.38	255	2
L-14504	3.36	6.84	L-14604	3.89	10.07	L-14704	2.68	6.04	40.4	26	1.97	124	2
L-14505	4.43	9.04	L-14605	5.14	13.30	L-14705	3.55	7.98	23.1	24	2.81	59	2
L-14506	2.85	5.82	L-14606	3.31	8.56	L-14706	2.28	5.13	199.1	26	1.97	351	3
L-14507	3.68	7.51	L-14607	4.27	11.05	L-14707	2.95	6.63	119.5	24	2.81	170	3
L-14508	4.82	9.84	L-14608	5.59	14.47	L-14708	3.86	8.68	69.7	22	4.00	82	3
L-14509	6.33	12.91	L-14609	7.34	18.99	L-14709	5.06	11.39	40.4	20	5.70	39	3
L-14510	7.23	14.76	L-14610	8.39	21.70	L-14710	5.79	13.02	31.0	19	6.81	27	3
L-14511	2.97	6.06	L-14611	3.45	8.92	L-14711	2.38	5.35	585.2	26	1.97	598	4
L-14512	3.83	7.81	L-14612	4.44	11.48	L-14712	3.06	6.89	352.8	24	2.81	290	4
L-14513	4.95	10.11	L-14613	5.75	14.86	L-14713	3.96	8.92	210.7	22	4.00	142	4
L-14514	6.48	13.22	L-14614	7.51	19.44	L-14714	5.18	11.66	123.2	20	5.70	68	4
L-14515	7.43	15.16	L-14615	8.62	22.29	L-14715	5.94	13.38	93.6	19	6.81	47	4
L-14516	3.45	7.04	L-14616	4.00	10.35	L-14716	2.76	6.21	609.7	24	2.81	469	5
L-14517	4.38	8.94	L-14617	5.08	13.15	L-14717	3.51	7.89	377.8	22	4.00	232	5
L-14518	5.59	11.41	L-14618	6.49	16.77	L-14718	4.47	10.06	232.1	20	5.70	114	5
L-14519	6.36	12.97	L-14619	7.38	19.08	L-14719	5.09	11.45	179.5	19	6.81	80	5
L-14520	7.37	15.03	L-14620	8.55	22.11	L-14720	5.90	13.27	133.6	18	8.11	55	5
L-14521	4.25	8.68	L-14621	4.93	12.76	L-14721	3.40	7.66	395.1	22	4.00	277	6
L-14522	5.50	11.21	L-14622	6.38	16.49	L-14722	4.40	9.89	236.6	20	5.70	134	6
L-14523	6.16	12.57	L-14623	7.15	18.48	L-14723	4.93	11.09	188.4	19	6.81	95	6
L-14524	7.01	14.29	L-14624	8.13	21.02	L-14724	5.60	12.61	145.7	18	8.11	66	6
L-14525	8.12	16.57	L-14625	9.42	24.36	L-14725	6.50	14.62	108.4	17	9.70	45	6
L-14526	5.94	12.11	L-14626	6.88	17.81	L-14726	4.75	10.68	741.3	20	5.70	207	7
L-14527	6.78	13.84	L-14627	7.87	20.35	L-14727	5.43	12.21	567.6	19	6.81	144	7
L-14528	7.63	15.57	L-14628	8.85	22.89	L-14728	6.10	13.74	448.4	18	8.11	102	7
L-14529	8.72	17.79	L-14629	10.12	26.16	L-14729	6.98	15.70	343.3	17	9.70	70	7
L-14530	9.94	20.27	L-14630	11.53	29.81	L-14730	7.95	17.89	264.4	16	11.60	49	7
L-14531	5.82	11.88	L-14631	6.75	17.47	L-14731	4.66	10.48	598.0	19	6.81	196	8
L-14532	6.58	13.42	L-14632	7.63	19.73	L-14732	5.26	11.84	468.4	18	8.11	137	8
L-14533	7.45	15.20	L-14633	8.64	22.35	L-14733	5.96	13.41	365.3	17	9.70	96	8
L-14534	8.44	17.22	L-14634	9.79	25.33	L-14734	6.75	15.20	284.4	16	11.60	67	8
L-14535	9.56	19.50	L-14635	11.09	28.67	L-14735	7.65	17.20	221.9	15	13.80	47	8
L-14536	6.47	13.19	L-14636	7.50	19.40	L-14736	5.17	11.64	604.0	18	8.11	172	9
L-14537	7.39	15.07	L-14637	8.57	22.17	L-14737	5.91	13.30	462.5	17	9.70	119	9
L-14538	8.25	16.82	L-14638	9.57	24.74	L-14738	6.60	14.84	371.4	16	11.60	85	9
L-14539	9.48	19.35	L-14639	11.00	28.45	L-14739	7.59	17.07	280.8	15	13.80	58	9
L-14540	10.74	21.90	L-14640	12.45	32.21	L-14740	8.59	19.32	219.1	14	16.60	41	9

- 1) Typical Inductance with no DC. Tolerance of $\pm 10\%$. See Specific data sheets for test conditions.
- 2) Current which will produce a 20% reduction in L
- 3) Current which will produce a 50% reduction in L

- 4) Max. DC Current: Value for a 40°C temperature rise due to copper loss, with AC flux density kept to 10 Gauss or less. (Typically represents current ripple less than 1%)
- 5) See page 38 Figure 14A for table of dimensions.

Specifications are subject to change without notice