

MODEL LPTJ3-1

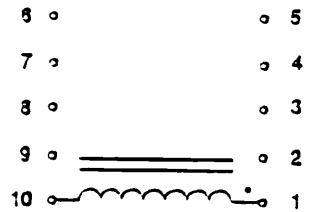
Toroidal Inductor

Surface Mount

High Current



Single Winding Data



Model Number	Inductance at 0 DC Current (uH)	Tolerance	Nominal DCR (Ohms)	Rated Current (Amps)	Nominal Ind @ 0 DC (Amps)	Inductance Shift with DC Current							
						10%		20%		30%		40%	
						DC Current (Amps)	Min Ind (uH)	DC Current (Amps)	Min Ind (uH)	DC Current (Amps)	Min Ind (uH)	DC Current (Amps)	Min Ind (uH)
LPTJ3-1-1.2	1.2	±15%	0.005	10.0	1.19	5.50	0.91	8.88	0.81	12.99	0.71	16.50	3.61
LPTJ3-1-1.5	1.5	±15%	0.005	9.5	2.57	4.71	1.24	7.52	1.10	10.88	0.98	14.14	0.82
LPTJ3-1-2.2	2.2	±15%	0.005	9.0	2.11	4.13	1.62	5.66	1.44	8.52	1.28	12.08	1.08
LPTJ3-1-2.7	2.7	±15%	0.007	8.5	2.57	3.67	2.04	5.92	1.82	8.46	1.59	11.00	1.28
LPTJ3-1-3.3	3.3	±15%	0.008	7.2	3.30	3.30	2.52	5.23	2.24	7.92	1.96	9.90	1.68
LPTJ3-1-3.9	3.9	±15%	0.009	7.3	3.99	3.00	3.05	4.85	2.72	6.92	2.38	9.00	2.04
LPTJ3-1-4.7	4.7	±15%	0.009	7.5	4.75	2.75	3.64	4.44	3.23	6.25	2.93	8.25	2.42
LPTJ3-1-5.6	5.6	±15%	0.010	7.2	5.58	2.54	4.27	4.10	3.79	5.86	3.22	7.92	2.94
LPTJ3-1-6.8	6.8	±15%	0.011	7.1	6.47	2.36	4.95	3.81	4.40	5.44	3.85	7.97	3.30
LPTJ3-1-8.2	8.2	±15%	0.012	6.7	8.2	2.20	5.68	3.55	5.05	5.08	4.42	6.60	3.79
LPTJ3-1-10	10	±15%	0.013	6.5	10.54	1.94	7.30	3.14	5.49	4.48	5.57	5.82	4.86
LPTJ3-1-12	12	±15%	0.015	6.1	11.91	1.74	9.11	2.81	6.10	4.01	7.09	5.21	6.08
LPTJ3-1-15	15	±15%	0.016	5.9	14.55	1.57	11.13	2.54	6.90	3.63	8.66	4.71	7.42
LPTJ3-1-18	18	±15%	0.017	5.6	17.46	1.43	13.35	2.32	7.87	3.31	10.39	4.30	8.90
LPTJ3-1-22	22	±15%	0.024	4.8	22.2	1.27	17.07	2.05	9.17	2.93	13.27	3.81	11.38
LPTJ3-1-27	27	±15%	0.027	4.4	27.75	1.14	21.23	1.84	10.87	2.53	16.51	3.41	14.15
LPTJ3-1-33	33	±15%	0.028	4.2	31.7	1.05	24.26	1.72	12.56	2.46	18.87	3.19	16.17
LPTJ3-1-39	39	±15%	0.038	4.3	39.65	0.97	28.18	1.57	15.34	2.24	22.70	2.91	19.46
LPTJ3-1-47	47	±15%	0.041	4.1	45.18	0.89	34.58	1.44	18.72	2.08	26.88	2.68	23.04
LPTJ3-1-56	56	±15%	0.057	3.3	55.47	0.80	42.4	1.30	23.72	1.86	33.01	2.41	28.29
LPTJ3-1-68	68	±15%	0.063	3.2	66.83	0.73	51.72	1.18	28.44	1.69	39.76	2.20	34.08
LPTJ3-1-82	82	±15%	0.066	2.8	79.23	0.67	60.51	1.09	33.88	1.55	47.14	2.02	40.41
LPTJ3-1-100	100	±15%	0.094	2.5	96.23	0.57	73.6	0.99	40.44	1.41	57.26	1.83	49.08
LPTJ3-1-120	120	±15%	0.105	2.4	118.80	0.55	90.86	0.89	48.76	1.27	70.69	1.65	60.59
LPTJ3-1-150	150	±15%	0.147	1.9	148.14	0.49	113.32	0.80	60.73	1.14	86.14	1.48	75.55
LPTJ3-1-180	180	±15%	0.162	1.8	180.71	0.45	138.74	0.72	72.98	1.03	107.52	1.34	92.18
LPTJ3-1-220	220	±15%	0.228	1.5	221.89	0.40	169.78	0.65	89.69	0.93	132.03	1.21	113.18
LPTJ3-1-270	270	±15%	0.246	1.4	267.30	0.37	204.48	0.59	108.76	0.85	159.04	1.10	136.32
LPTJ3-1-330	330	±15%	0.330	1.2	330.00	0.33	252.45	0.53	132.40	0.78	198.35	0.99	168.30
LPTJ3-1-390	390	±15%	0.399	1.1	392.07	0.30	299.94	0.48	166.84	0.70	233.28	0.91	199.96
LPTJ3-1-470	470	±15%	0.486	0.9	467.31	0.28	357.49	0.45	207.77	0.64	278.05	0.83	238.33
LPTJ3-1-580	580	±15%	0.542	0.9	567.70	0.25	426.64	0.41	249.24	0.59	331.63	0.76	284.43
LPTJ3-1-680	680	±15%	0.600	0.8	684.29	0.23	523.48	0.37	299.32	0.53	407.15	0.69	348.99
LPTJ3-1-820	820	±15%	0.615	0.7	823.81	0.21	630.22	0.34	360.59	0.48	490.17	0.63	420.14
LPTJ3-1-1000	1000	±15%	0.696	0.7	999.11	0.19	764.32	0.31	439.39	0.44	594.47	0.57	509.55
LPTJ3-1-1200	1200	±15%	1.253	0.5	1203.67	0.17	920.96	0.28	518.63	0.40	716.30	0.52	513.98
LPTJ3-1-1500	1500	±15%	1.397	0.5	1497.18	0.15	1145.34	0.25	618.08	0.36	860.62	0.46	783.56

① The DC Current values listed are typical values that drop the nominal inductance by the percent listed.