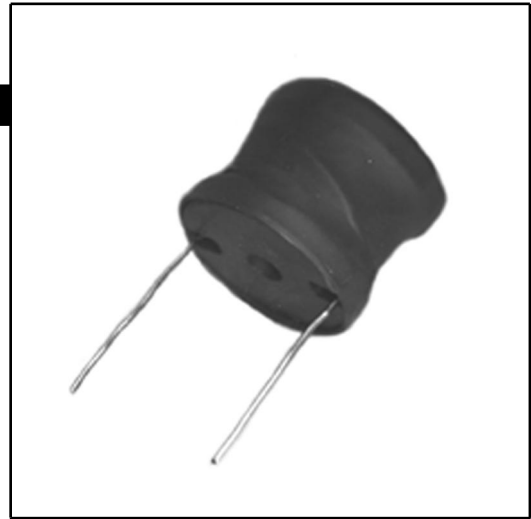


LD Switchmode Inductors Drum Core



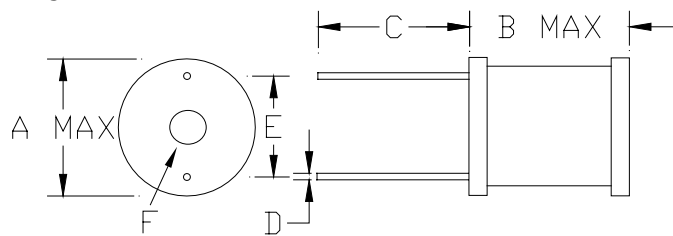
Features:

- High DC current bias capability
- 125° rating (ambient plus rise)
- Large range of energy storage capacity for output inductors
- Small footprint
- Clearance hole for non-magnetic fastener

How to choose your model:

- 1) Calculate the energy storage needed based on inductance and current
- 2) No de-rating needed for ambients up to 80° C

Figure 1



Precision Model Number	Figure Number	Data on Page		A MAX	B MAX	C NOM	D DIA	E NOM	F CLEARANCE
LD-17210-xxxx	1	2	mm in	16.76 .660	21.4 .840	--	Note 1	Note 1	8-32
LD-21210-xxxx	1	3	mm in	21.1 .830	21.4 .840	--	Note 1	Note 1	8-32
LD-28210-xxxx	1	4	mm in	28.0 1.10	21.4 .840	--	Note 1	Note 1	8-32
LD-41260-xxxx	1	5	mm in	40.6 1.60	26.2 1.03	--	Note 1	Note 1	8-32
LD-41370-xxxx	1	6	mm in	40.6 1.60	36.8 1.45	--	Note 1	Note 1	8-32
LD-51380-xxxx	1	7	mm in	50.8 2.00	38.1 1.50	--	Note 1	Note 1	8-32
LD-61380-xxxx	1	8	mm in	61.0 2.40	38.1 1.50	--	Note 1	Note 1	8-32

Note 1: See electrical tables on following pages for dimensions

LD Switchmode Inductors Drum Core

Precision Model Number	Figure Number	Inductance @ 1kHz [uH] <i>(note 1)</i>	DC Resistance [Ohms Max]	Rated Current [Amps]	Typical Saturation Current [Amps] <i>(note 2)</i>	Typical Lead Spacing "E" [in] [mm]	Typical Lead Diameter "D" [in] [mm]	Energy Storage [uJoules] <i>(note 3)</i>
LD-17210-01R0	1	1.0	0.003	9.0	87	0.55 14.0	data	40.5
LD-17210-01R2	1	1.2	0.003	9.0	68	0.55 14.0	forth-	48.6
LD-17210-01R5	1	1.5	0.004	9.0	56	0.55 14.0	coming	60.8
LD-17210-01R8	1	1.8	0.004	9.0	56	0.55 14.0		72.9
LD-17210-02R2	1	2.2	0.005	9.0	47	0.55 14.0		89.1
LD-17210-02R7	1	2.7	0.005	9.0	47	0.55 14.0		109
LD-17210-03R3	1	3.3	0.005	9.0	40	0.55 14.0		134
LD-17210-03R9	1	3.9	0.006	9.0	36	0.55 14.0		158
LD-17210-04R7	1	4.7	0.007	9.0	32	0.55 14.0		190
LD-17210-05R6	1	5.6	0.007	9.0	29	0.55 14.0		227
LD-17210-06R8	1	6.8	0.008	9.0	26	0.55 14.0		275
LD-17210-08R2	1	8.2	0.009	9.0	24.5	0.55 14.0		332
LD-17210-0100	1	10	0.010	9.0	21.2	0.55 14.0		405
LD-17210-0120	1	12	0.011	9.0	19.0	0.55 14.0		486
LD-17210-0150	1	15	0.015	7.2	17.5	0.50 12.7		389
LD-17210-0180	1	18	0.016	7.2	16.5	0.50 12.7		467
LD-17210-0220	1	22	0.020	5.5	15.8	0.50 12.7		333
LD-17210-0270	1	27	0.030	4.5	14.4	0.50 12.7		273
LD-17210-0330	1	33	0.040	4.0	13.2	0.48 12.1		264
LD-17210-0390	1	39	0.046	4.0	11.8	0.48 12.1		312
LD-17210-0470	1	47	0.062	2.8	11.0	0.47 11.9		184
LD-17210-0560	1	56	0.069	2.8	10.0	0.47 11.9		220
LD-17210-0680	1	68	0.077	2.8	8.9	0.50 12.7		267
LD-17210-0820	1	82	0.083	2.8	8.2	0.50 12.7		321
LD-17210-0101	1	100	0.095	2.8	7.5	0.50 12.7		392
LD-17210-0121	1	120	0.127	2.0	5.8	0.50 12.7		240
LD-17210-0151	1	150	0.181	1.6	5.6	0.50 12.7		192
LD-17210-0181	1	180	0.217	1.6	5.1	0.50 12.7		230
LD-17210-0221	1	220	0.240	1.6	4.3	0.50 12.7		282
LD-17210-0271	1	270	0.300	1.6	4.1	0.48 12.2		346
LD-17210-0331	1	330	0.336	1.3	3.8	0.48 12.2		279
LD-17210-0391	1	390	0.460	1.0	3.3	0.48 12.2		195
LD-17210-0471	1	470	0.636	0.8	3.2	0.48 12.1		150
LD-17210-0561	1	560	0.696	0.8	2.9	0.48 12.1		179

Note 1: Tolerance: 10 uH and above, +/- 10%; below 10 uH, +/- 20%

Note 2: Saturation Current: Inductance drops 5% at this current

Note 3: Energy Storage is calculated using the rated current or saturation current, whichever is less

Electrical Specifications: Dielectric: coating or covering optional

Temperature Rating: Storage: -55^o C to +125^o C; Operating: -55^o C to +80^o C

LD Switchmode Inductors Drum Core

Precision Model Number	Figure Number	Inductance @ 1kHz [uH] (note 1)	DC Resistance [Ohms Max]	Rated Current [Amps]	Typical Saturation Current [Amps] (note 2)	Typical Lead Spacing "E" [in] [mm]	Typical Lead Diameter "D" [in] [mm]	Energy Storage [uJoules] (note 3)
LD-21210-01R0	1	1.0	0.003	11.4	108	0.62 15.7	data	65.0
LD-21210-01R2	1	1.2	0.003	11.4	108	0.62 15.7	forth-	78.0
LD-21210-01R5	1	1.5	0.003	11.4	83	0.62 15.7	coming	97.5
LD-21210-01R8	1	1.8	0.003	11.4	68	0.62 15.7		117
LD-21210-02R2	1	2.2	0.004	11.4	68	0.62 15.7		143
LD-21210-02R7	1	2.7	0.005	11.4	58	0.62 15.7		175
LD-21210-03R3	1	3.3	0.005	11.4	58	0.62 15.7		214
LD-21210-03R9	1	3.9	0.005	11.4	50	0.62 15.7		253
LD-21210-04R7	1	4.7	0.005	11.4	50	0.62 15.7		305
LD-21210-05R6	1	5.6	0.006	11.4	44	0.62 15.7		364
LD-21210-06R8	1	6.8	0.007	11.4	39	0.62 15.7		442
LD-21210-08R2	1	8.2	0.007	11.4	36	0.62 15.7		533
LD-21210-0100	1	10	0.009	11.4	30	0.62 15.7		650
LD-21210-0120	1	12	0.009	11.4	27	0.62 15.7		780
LD-21210-0150	1	15	0.013	9.0	25	0.62 15.7		608
LD-21210-0180	1	18	0.018	7.2	22	0.62 15.6		467
LD-21210-0220	1	22	0.019	7.2	21	0.62 15.6		570
LD-21210-0270	1	27	0.026	5.5	20.5	0.58 14.6		408
LD-21210-0330	1	33	0.029	5.5	18.6	0.58 14.6		499
LD-21210-0390	1	39	0.030	5.5	17.0	0.60 15.2		590
LD-21210-0470	1	47	0.035	5.5	15.1	0.60 15.2		711
LD-21210-0560	1	56	0.039	5.5	13.6	0.60 15.2		847
LD-21210-0680	1	68	0.053	4.8	12.7	0.60 15.2		783
LD-21210-0820	1	82	0.060	4.8	11.3	0.60 15.2		945
LD-21210-0101	1	100	0.080	4.0	10.4	0.60 15.2		800
LD-21210-0121	1	120	0.090	4.0	9.4	0.60 15.2		940
LD-21210-0151	1	150	0.098	4.0	8.6	0.60 15.2		1170
LD-21210-0181	1	180	0.110	4.0	7.8	0.60 15.2		1400
LD-21210-0221	1	220	0.150	2.8	7.0	0.60 15.2		853
LD-21210-0271	1	270	0.213	2.0	6.3	0.60 15.2		535
LD-21210-0331	1	330	0.305	1.6	5.2	0.60 15.2		418
LD-21210-0391	1	390	0.320	1.6	4.9	0.60 15.2		494
LD-21210-0471	1	470	0.355	1.6	4.5	0.59 15.0		596
LD-21210-0561	1	560	0.388	1.6	4.1	0.59 15.0		710
LD-21210-0681	1	680	0.430	1.6	3.7	0.59 15.0		853
LD-21210-0821	1	820	0.590	1.3	3.4	0.59 15.0		679
LD-21210-0102	1	1000	0.818	1.0	3.1	0.59 15.0		495
LD-21210-0122	1	1200	1.14	0.8	2.7	0.59 15.0		380
LD-21210-0152	1	1500	1.26	0.8	2.4	0.59 15.0		473
LD-21210-0182	1	1800	1.39	0.8	2.2	0.59 15.0		564
LD-21210-0222	1	2200	1.54	0.8	2.0	0.59 15.0		690

Note 1: Tolerance: 10 uH and above, +/- 10%; below 10 uH, +/- 20%

Note 2: Saturation Current: Inductance drops 5% at this current

Note 3: Energy Storage is calculated using the rated current or saturation current, whichever is less

Electrical Specifications: Dielectric: coating or covering optional

Temperature Rating: Storage: -55^o C to +125^o C; Operating: -55^o C to +80^o C

LD Switchmode Inductors Drum Core

Precision Model Number	Figure Number	Inductance @ 1kHz [uH] (note 1)	DC Resistance [Ohms Max]	Rated Current [Amps]	Typical Saturation Current [Amps] (note 2)	Typical Lead Spacing "E" [in] [mm]	Typical Lead Diameter "D" [in] [mm]	Energy Storage [uJoules] (note 3)
LD-28210-01R0	1	1.0	0.003	21	116	0.79 20.1	data	221
LD-28210-01R2	1	1.2	0.003	21	116	0.79 20.1	forth-	265
LD-28210-01R5	1	1.5	0.003	21	116	0.79 20.1	coming	331
LD-28210-01R8	1	1.8	0.003	21	90	0.79 20.1		397
LD-28210-02R2	1	2.2	0.003	21	90	0.79 20.1		485
LD-28210-02R7	1	2.7	0.003	21	74	0.79 20.1		595
LD-28210-03R3	1	3.3	0.003	21	74	0.79 20.1		728
LD-28210-03R9	1	3.9	0.003	21	62	0.79 20.1		860
LD-28210-04R7	1	4.7	0.003	21	54	0.79 20.1		1040
LD-28210-05R6	1	5.6	0.003	21	54	0.79 20.1		1240
LD-28210-06R8	1	6.8	0.004	21	47	0.79 20.1		1500
LD-28210-08R2	1	8.2	0.004	21	42	0.77 19.6		1770
LD-28210-0100	1	10	0.006	17	38	0.75 19.1		1420
LD-28210-0120	1	12	0.008	13.5	35	0.75 19.1		1080
LD-28210-0150	1	15	0.009	13.5	32	0.75 19.1		1340
LD-28210-0180	1	18	0.010	13.5	29	0.75 19.1		1600
LD-28210-0220	1	22	0.011	13.5	25	0.80 20.3		1960
LD-28210-0270	1	27	0.012	13.5	23	0.78 19.8		2400
LD-28210-0330	1	33	0.017	13.5	20	0.78 19.8		2930
LD-28210-0390	1	39	0.022	11.4	19	0.76 19.3		2450
LD-28210-0470	1	47	0.024	9.0	19	0.76 19.3		1840
LD-28210-0560	1	56	0.026	9.0	17.5	0.76 19.3		2200
LD-28210-0680	1	68	0.029	9.0	15.6	0.76 19.3		2670
LD-28210-0820	1	82	0.032	9.0	14.0	0.76 19.3		3220
LD-28210-0101	1	100	0.034	9.0	13.2	0.76 19.3		3930
LD-28210-0121	1	120	0.046	7.2	12.1	0.74 18.8		3010
LD-28210-0151	1	150	0.064	5.5	10.8	0.72 18.3		2200
LD-28210-0181	1	180	0.072	5.5	9.7	0.72 18.3		2640
LD-28210-0221	1	220	0.080	5.5	8.7	0.79 20.1		3230
LD-28210-0271	1	270	0.110	4.5	7.9	0.77 19.6		2650
LD-28210-0331	1	330	0.122	4.5	7.1	0.77 19.6		3240
LD-28210-0391	1	390	0.169	4.0	6.7	0.74 18.8		3030
LD-28210-0471	1	470	0.187	4.0	6.0	0.74 18.8		3650
LD-28210-0561	1	560	0.205	4.0	5.5	0.74 18.8		4350
LD-28210-0681	1	680	0.256	2.8	5.0	0.73 18.4		2590
LD-28210-0821	1	820	0.288	2.8	4.5	0.73 18.4		3110
LD-28210-0102	1	1000	0.426	2.0	4.1	0.72 18.2		1940
LD-28210-0122	1	1200	0.462	2.0	3.7	0.76 19.3		2330
LD-28210-0152	1	1500	0.518	2.0	3.4	0.76 19.3		2910
LD-28210-0182	1	1800	0.705	1.6	2.8	0.74 18.8		2230
LD-28210-0222	1	2200	1.02	1.3	2.5	0.72 18.3		1800
LD-28210-0272	1	2700	1.14	1.3	2.3	0.72 18.3		2210
LD-28210-0332	1	3300	1.27	1.3	2.0	0.72 18.3		2710
LD-28210-0392	1	3900	1.67	1.0	1.8	0.70 17.8		1890
LD-28210-0472	1	4700	1.86	1.0	1.7	0.73 18.5		2280

Note 1: Tolerance: 10 uH and above, +/- 10%; below 10 uH, +/- 20%

Note 2: Saturation Current: Inductance drops 5% at this current

Note 3: Energy Storage is calculated using the rated current or saturation current, whichever is less

Electrical Specifications: Dielectric: coating or covering optional

Temperature Rating: Storage: -55^o C to +125^o C; Operating: -55^o C to +80^o C

LD Switchmode Inductors Drum Core

Precision Model Number	Figure Number	Inductance @ 1kHz [uH] (note 1)	DC Resistance [Ohms Max]	Rated Current [Amps]	Typical Saturation Current [Amps] (note 2)	Typical Lead Spacing "E" [in] [mm]	Typical Lead Diameter "D" [in] [mm]	Energy Storage [uJoules] (note 3)
LD-41260-01R8	1	1.8	0.002	27	150	1.10 27.9	data	656
LD-41260-02R2	1	2.2	0.002	27	150	1.10 27.9	forth-	802
LD-41260-02R7	1	2.7	0.003	27	115	1.10 27.9	coming	984
LD-41260-03R3	1	3.3	0.003	27	115	1.10 27.9		1200
LD-41260-03R9	1	3.9	0.003	27	95	1.10 27.9		1420
LD-41260-04R7	1	4.7	0.003	27	95	1.10 27.9		1710
LD-41260-05R6	1	5.6	0.004	27	79	1.10 27.9		2040
LD-41260-06R8	1	6.8	0.004	27	79	1.10 27.9		2480
LD-41260-08R2	1	8.2	0.004	27	69	1.10 27.9		2990
LD-41260-0100	1	10	0.005	27	61	1.10 27.9		3650
LD-41260-0120	1	12	0.005	27	55	1.10 27.9		4370
LD-41260-0150	1	15	0.006	27	49	1.10 27.9		5360
LD-41260-0180	1	18	0.008	27	41	1.10 27.9		6430
LD-41260-0220	1	22	0.009	21	38	1.10 27.9		4760
LD-41260-0270	1	27	0.010	21	36	1.10 27.9		5830
LD-41260-0330	1	33	0.011	21	31	1.10 27.9		7060
LD-41260-0390	1	39	0.012	21	20	1.10 27.9		7410
LD-41260-0470	1	47	0.018	14.4	30	1.10 27.9		4780
LD-41260-0560	1	56	0.019	14.4	26	1.11 28.2		5690
LD-41260-0680	1	68	0.021	14.4	24	1.10 27.9		6840
LD-41260-0820	1	82	0.023	14.4	22	1.10 27.9		8250
LD-41260-0101	1	100	0.025	14.4	20	1.10 27.9		9950
LD-41260-0121	1	120	0.028	14.4	18	1.10 27.9		11900
LD-41260-0151	1	150	0.040	11.4	16.4	1.10 27.9		9460
LD-41260-0181	1	180	0.045	11.4	14.6	1.10 27.9		11200
LD-41260-0221	1	220	0.050	11.4	13.2	1.10 27.9		13700
LD-41260-0271	1	270	0.056	11.4	11.8	1.10 27.9		16700
LD-41260-0331	1	330	0.074	11.4	11.4	1.16 29.5		20400
LD-41260-0391	1	390	0.082	9.0	10.1	1.13 28.7		15200
LD-41260-0471	1	470	0.114	7.2	9.2	1.13 28.7		11700
LD-41260-0561	1	560	0.125	7.2	8.3	1.13 28.7		13900
LD-41260-0681	1	680	0.139	7.2	7.6	1.13 28.7		16700
LD-41260-0821	1	820	0.154	7.2	6.8	1.13 28.7		18000
LD-41260-0102	1	1000	0.216	5.5	6.2	1.10 27.9		14400
LD-41260-0122	1	1200	0.232	5.5	5.7	1.10 27.9		17200
LD-41260-0152	1	1500	0.324	4.5	5.1	1.14 29.0		14600
LD-41260-0182	1	1800	0.360	4.5	4.6	1.14 29.0		17300
LD-41260-0222	1	2200	0.494	4.0	4.2	1.11 28.2		16700
LD-41260-0272	1	2700	0.555	4.0	3.8	1.11 28.2		18500
LD-41260-0332	1	3300	0.773	2.8	3.4	1.09 27.7		12400
LD-41260-0392	1	3900	0.845	2.8	3.1	1.09 27.7		14500
LD-41260-0472	1	4700	1.14	2.0	2.9	1.07 27.2		9110
LD-41260-0562	1	5600	1.60	2.0	2.5	1.05 26.7		10700
LD-41260-0682	1	6800	1.76	1.6	2.3	1.05 26.7		8440
LD-41260-0822	1	8200	1.95	1.6	2.0	1.09 27.7		10100
LD-41260-0103	1	10000	2.76	1.3	1.8	1.07 27.2		8200
LD-41260-0123	1	12000	3.04	1.3	1.7	1.07 27.2		9730
LD-41260-0153	1	15000	3.39	1.3	1.5	1.07 27.2		12100

Note 1: Tolerance: 10 uH and above, +/- 10%; below 10 uH, +/- 20%

Note 2: Saturation Current: Inductance drops 5% at this current

Note 3: Energy Storage is calculated using the rated current or saturation current, whichever is less

Electrical Specifications: Dielectric: coating or covering optional

Temperature Rating: Storage: -55° C to +125° C; Operating: -55° C to +80° C

LD Switchmode Inductors Drum Core

Precision Model Number	Figure Number	Inductance @ 1kHz [uH] (note 1)	DC Resistance [Ohms Max]	Rated Current [Amps]	Typical Saturation Current [Amps] (note 2)	Typical Lead Spacing "E" [in] [mm]		Typical Lead Diameter "D" [in] [mm]		Energy Storage [uJoules] (note 3)
LD-41370-01R8	1	1.8	0.002	35	155	1.13	28.7	data		1100
LD-41370-02R2	1	2.2	0.002	35	155	1.13	28.7	forth-		1350
LD-41370-02R7	1	2.7	0.002	35	125	1.13	28.7	coming		1660
LD-41370-03R3	1	3.3	0.002	35	125	1.13	28.7			2020
LD-41370-03R9	1	3.9	0.003	35	102	1.13	28.7			2390
LD-41370-04R7	1	4.7	0.003	35	87	1.13	28.7			2880
LD-41370-05R6	1	5.6	0.003	35	87	1.13	28.7			3430
LD-41370-06R8	1	6.8	0.003	35	87	1.13	28.7			4170
LD-41370-08R2	1	8.2	0.003	35	76	1.13	28.7			5020
LD-41370-0100	1	10	0.004	35	67	1.13	28.7			6130
LD-41370-0120	1	12	0.004	35	60	1.13	28.7			7350
LD-41370-0150	1	15	0.005	35	49	1.13	28.7			9000
LD-41370-0180	1	18	0.007	27	45	1.10	27.9			6430
LD-41370-0220	1	22	0.007	27	42	1.10	27.9			7780
LD-41370-0270	1	27	0.008	27	35	1.10	27.9			9550
LD-41370-0330	1	33	0.009	27	34	1.10	27.9			11600
LD-41370-0390	1	39	0.010	27	30	1.10	27.9			13600
LD-41370-0470	1	47	0.011	27	28	1.10	27.9			16200
LD-41370-0560	1	56	0.013	21	26	1.10	27.9			11900
LD-41370-0680	1	68	0.015	21	23	1.10	27.9			14200
LD-41370-0820	1	82	0.017	21	20	1.10	27.9			15600
LD-41370-0101	1	100	0.018	21	19	1.10	27.9			17100
LD-41370-0121	1	120	0.022	17	18	1.08	27.4			16500
LD-41370-0151	1	150	0.025	17	16	1.08	27.4			18200
LD-41370-0181	1	180	0.035	13.5	14	1.12	28.4			15600
LD-41370-0221	1	220	0.040	13.5	13	1.12	28.4			17700
LD-41370-0271	1	270	0.044	13.5	11	1.12	28.4			15500
LD-41370-0331	1	330	0.049	13.5	10	1.12	28.4			15700
LD-41370-0391	1	390	0.070	11.4	9.7	1.09	27.7			17400
LD-41370-0471	1	470	0.078	11.4	8.8	1.09	27.7			17300
LD-41370-0561	1	560	0.105	9.0	8.1	1.07	27.2			17500
LD-41370-0681	1	680	0.115	9.0	7.4	1.07	27.2			17700
LD-41370-0821	1	820	0.127	9.0	6.7	1.07	27.2			17500
LD-41370-0102	1	1000	0.176	7.2	6.1	1.05	26.7			17700
LD-41370-0122	1	1200	0.195	7.2	5.5	1.05	26.7			17300
LD-41370-0152	1	1500	0.274	5.5	5.0	1.03	26.2			17800
LD-41370-0182	1	1800	0.302	5.5	4.5	1.10	27.9			17300
LD-41370-0222	1	2200	0.338	5.5	4.1	1.10	27.9			17600
LD-41370-0272	1	2700	0.459	4.5	3.7	1.08	27.4			17600
LD-41370-0332	1	3300	0.642	4.0	3.4	1.06	26.9			18100
LD-41370-0392	1	3900	0.699	4.0	3.0	1.06	26.9			16700
LD-41370-0472	1	4700	0.775	4.0	2.8	1.06	26.9			17500
LD-41370-0562	1	5600	0.843	4.0	2.6	1.06	26.9			18000
LD-41370-0682	1	6800	1.15	2.8	2.3	1.04	26.4			17100
LD-41370-0822	1	8200	1.26	2.8	2.1	1.09	27.7			17200
LD-41370-0103	1	10000	1.74	2.0	1.9	1.07	27.2			17200
LD-41370-0123	1	12000	1.92	2.0	1.7	1.07	27.2			16500
LD-41370-0153	1	15000	2.17	2.0	1.5	1.07	27.2			16000

Note 1: Tolerance: 10 uH and above, +/- 10%; below 10 uH, +/- 20%

Note 2: Saturation Current: Inductance drops 5% at this current

Note 3: Energy Storage is calculated using the rated current or saturation current, whichever is less

Electrical Specifications: Dielectric: coating or covering optional

Temperature Rating: Storage: -55° C to +125° C; Operating: -55° C to +80° C

LD Switchmode Inductors Drum Core

Precision Model Number	Figure Number	Inductance @ 1kHz [uH] <i>(note 1)</i>	DC Resistance [Ohms Max]	Rated Current [Amps]	Typical Saturation Current [Amps] <i>(note 2)</i>	Typical Lead Spacing "E" [in] [mm]	Typical Lead Diameter "D" [in] [mm]	Energy Storage [uJoules] <i>(note 3)</i>
LD-51380-04R7	1	4.7	0.002	35	150	1.43 36.3	data	2880
LD-51380-05R6	1	5.6	0.002	35	123	1.43 36.3	forth-	3430
LD-51380-06R8	1	6.8	0.003	35	104	1.43 36.3	coming	4170
LD-51380-08R2	1	8.2	0.003	35	90.0	1.43 36.3		5020
LD-51380-0100	1	10	0.003	35	79.4	1.43 36.3		6130
LD-51380-0120	1	12	0.004	35	71.0	1.43 36.3		7350
LD-51380-0150	1	15	0.004	35	64.3	1.43 36.3		9000
LD-51380-0180	1	18	0.005	35	58.7	1.43 36.3		10700
LD-51380-0220	1	22	0.005	35	54.0	1.43 36.3		13100
LD-51380-0270	1	27	0.006	35	50.0	1.43 36.3		16000
LD-51380-0330	1	33	0.006	35	46.5	1.43 36.3		19600
LD-51380-0390	1	39	0.006	35	43.5	1.43 36.3		22900
LD-51380-0470	1	47	0.008	35	40.9	1.53 38.9		27600
LD-51380-0560	1	56	0.009	35	36.5	1.53 38.9		32600
LD-51380-0680	1	68	0.009	35	32.9	1.53 38.9		35000
LD-51380-0820	1	82	0.010	35	30.0	1.53 38.9		35100
LD-51380-0101	1	100	0.014	27	26.5	1.45 36.8		33400
LD-51380-0121	1	120	0.015	27	24.5	1.45 36.8		34200
LD-51380-0151	1	150	0.023	21	21.4	1.41 35.8		32600
LD-51380-0181	1	180	0.025	21	19.5	1.41 35.8		32500
LD-51380-0221	1	220	0.028	21	18.0	1.41 35.8		33900
LD-51380-0271	1	270	0.030	21	16.2	1.41 35.8		33700
LD-51380-0331	1	330	0.040	17	14.8	1.38 35.1		34300
LD-51380-0391	1	390	0.055	13.5	13.6	1.35 34.3		34300
LD-51380-0471	1	470	0.061	13.5	12.3	1.35 34.3		33800
LD-51380-0561	1	560	0.068	13.5	11.3	1.35 34.3		34000
LD-51380-0681	1	680	0.094	11.4	10.3	1.33 33.8		34300
LD-51380-0821	1	820	0.104	11.4	9.4	1.33 33.8		34400
LD-51380-0102	1	1000	0.143	9.0	8.5	1.31 33.3		34300
LD-51380-0122	1	1200	0.156	9.0	7.7	1.40 35.6		33800
LD-51380-0152	1	1500	0.219	7.2	6.8	1.37 34.8		33000
LD-51380-0182	1	1800	0.241	7.2	6.3	1.37 34.8		34000
LD-51380-0222	1	2200	0.270	7.2	5.7	1.37 34.8		34000
LD-51380-0272	1	2700	0.364	5.5	5.1	1.34 34.0		33400
LD-51380-0332	1	3300	0.498	4.5	4.6	1.32 33.5		33200
LD-51380-0392	1	3900	0.548	4.5	4.2	1.32 33.5		32700
LD-51380-0472	1	4700	0.608	4.5	3.9	1.32 33.5		34000
LD-51380-0562	1	5600	0.671	4.5	3.5	1.38 35.1		32600
LD-51380-0682	1	6800	0.75	4.5	3.2	1.38 35.1		33100
LD-51380-0822	1	8200	1.03	4.0	2.9	1.35 34.3		32800
LD-51380-0103	1	10000	1.16	4.0	2.6	1.35 34.3		32100
LD-51380-0123	1	12000	1.54	2.8	2.4	1.33 33.8		32800
LD-51380-0153	1	15000	1.75	2.8	2.2	1.33 33.8		34500
LD-51380-0183	1	18000	1.94	2.8	2.0	1.38 35.1		34200
LD-51380-0223	1	22000	2.74	2.0	1.8	1.36 34.5		33900
LD-51380-0273	1	27000	3.71	1.7	1.6	1.33 33.8		32900
LD-51380-0333	1	33000	4.16	1.7	1.5	1.33 33.8		35300
LD-51380-0393	1	39000	5.55	1.4	1.4	1.31 33.3		36300
LD-51380-0473	1	47000	6.19	1.4	1.2	1.34 34.0		32200

Note 1: Tolerance: 10 uH and above, +/- 10%; below 10 uH, +/- 20%

Note 2: Saturation Current: Inductance drops 5% at this current

Note 3: Energy Storage is calculated using the rated current or saturation current, whichever is less

Electrical Specifications: Dielectric: coating or covering optional

Temperature Rating: Storage: -55° C to +125° C; Operating: -55° C to +80° C

LD Switchmode Inductors Drum Core

Precision Model Number	Figure Number	Inductance @ 1kHz [uH] (note 1)	DC Resistance [Ohms Max]	Rated Current [Amps]	Typical Saturation Current [Amps] (note 2)	Typical Lead Spacing "E" [in] [mm]	Typical Lead Diameter "D" [in] [mm]	Energy Storage [uJoules] (note 3)
LD-61380-05R6	1	5.6	0.002	45	200	1.60 40.6	data	5390
LD-61380-06R8	1	6.8	0.002	45	163	1.60 40.6	forth-	6540
LD-61380-08R2	1	8.2	0.002	45	163	1.60 40.6	coming	7890
LD-61380-0100	1	10	0.002	45	138	1.60 40.6		9620
LD-61380-0120	1	12	0.003	45	120	1.60 40.6		11500
LD-61380-0150	1	15	0.003	45	105	1.70 43.2		14400
LD-61380-0180	1	18	0.004	45	94	1.70 43.2		17300
LD-61380-0220	1	22	0.004	45	85	1.70 43.2		21200
LD-61380-0270	1	27	0.004	45	78	1.70 43.2		26000
LD-61380-0330	1	33	0.005	45	72	1.70 43.2		31700
LD-61380-0390	1	39	0.005	45	66	1.80 45.7		37500
LD-61380-0470	1	47	0.006	45	58	1.80 45.7		45200
LD-61380-0560	1	56	0.007	45	54	1.80 45.7		53900
LD-61380-0680	1	68	0.008	45	48	1.80 45.7		65400
LD-61380-0820	1	82	0.009	45	43	1.80 45.7		72000
LD-61380-0101	1	100	0.010	45	40	1.80 45.7		76000
LD-61380-0121	1	120	0.011	45	36	1.80 45.7		73900
LD-61380-0151	1	150	0.012	45	32	1.80 45.7		73000
LD-61380-0181	1	180	0.016	35	31	1.80 45.7		82200
LD-61380-0221	1	220	0.017	35	28	1.80 45.7		82000
LD-61380-0271	1	270	0.023	27	24	1.80 45.7		73900
LD-61380-0331	1	330	0.030	21	23	1.80 45.7		69100
LD-61380-0391	1	390	0.043	17	21	1.70 43.2		53600
LD-61380-0471	1	470	0.046	17	19.7	1.70 43.2		64600
LD-61380-0561	1	560	0.048	17	17.4	1.75 44.5		76900
LD-61380-0681	1	680	0.052	17	15.9	1.80 45.7		81700
LD-61380-0821	1	820	0.065	17	14.0	1.80 45.7		76300
LD-61380-0102	1	1000	0.094	13.5	12.7	1.75 44.5		76600
LD-61380-0122	1	1200	0.102	13.5	11.9	1.78 45.2		80700
LD-61380-0152	1	1500	0.118	13.5	10.9	1.80 45.7		84700
LD-61380-0182	1	1800	0.154	11.4	10.1	1.70 43.2		87200
LD-61380-0222	1	2200	0.216	9.0	8.9	1.70 43.2		82800
LD-61380-0272	1	2700	0.242	9.0	8.0	1.75 44.5		82100
LD-61380-0332	1	3300	0.264	9.0	7.1	1.80 45.7		79000
LD-61380-0392	1	3900	0.348	7.2	6.8	1.75 44.5		85700
LD-61380-0472	1	4700	0.392	7.2	6.1	1.78 45.2		83100
LD-61380-0562	1	5600	0.432	7.2	5.6	1.80 45.7		83400
LD-61380-0682	1	6800	0.594	5.5	5.0	1.70 43.2		80800
LD-61380-0822	1	8200	0.660	5.5	4.6	1.75 44.5		82400
LD-61380-0103	1	10000	0.756	5.5	4.0	1.80 45.7		76000
LD-61380-0123	1	12000	0.984	4.5	3.7	1.80 45.7		78000
LD-61380-0153	1	15000	1.41	4.0	3.0	1.75 44.5		64100
LD-61380-0183	1	18000	1.52	4.0	2.8	1.78 45.2		67000
LD-61380-0223	1	22000	1.80	4.0	2.7	1.80 45.7		76200
LD-61380-0273	1	27000	2.37	2.8	2.5	1.75 44.5		80200
LD-61380-0333	1	33000	2.64	2.8	2.2	1.80 45.7		75900
LD-61380-0393	1	39000	3.57	2.0	2.1	1.75 44.5		74100
LD-61380-0473	1	47000	3.93	2.0	1.9	1.78 45.2		81000
LD-61380-0563	1	56000	4.32	2.0	1.7	1.80 45.7		77000
LD-61380-0683	1	68000	5.22	2.0	1.5	1.85 47.0		76500

Note 1: Tolerance: 10 uH and above, +/- 10%; below 10 uH, +/- 20%

Note 2: Saturation Current: Inductance drops 5% at this current

Note 3: Energy Storage is calculated using the rated current or saturation current, whichever is less

Electrical Specifications: Dielectric: coating or covering optional

Temperature Rating: Storage: -55° C to +125° C; Operating: -55° C to +80° C