

LSM Switchmode Inductors Unshielded Surface Mount

Features:

- High DC current bias capability
- 120° C rating (ambient plus rise)
- Used for output and EMI inductor applications
- Very low profiles available

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

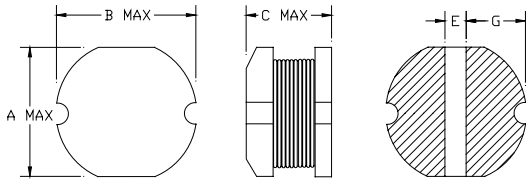


Figure 2

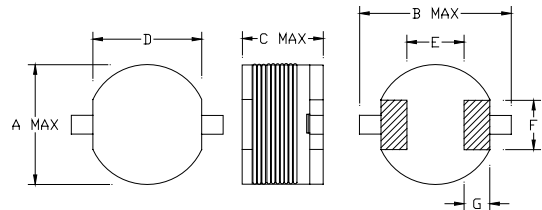


Figure 3

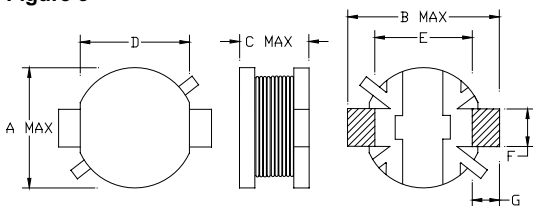


Figure 4

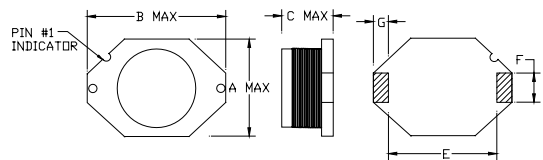


Figure 5

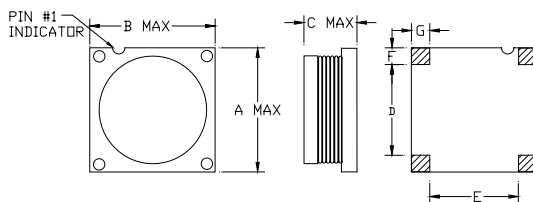
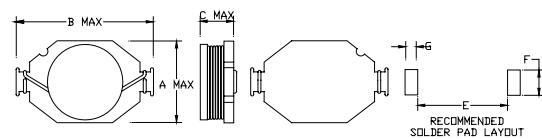


Figure 6



LSM Switchmode Inductors Unshielded Surface Mount

Precision Model Number	Figure Number	Data on Page		A MAX	B MAX	C MAX	D NOM	E NOM	F NOM	G NOM
LSM-05040-xxxx	1	3	mm in	4.30 .169	4.80 .189	3.50 .138	- -	1.50 .059	- -	1.75 .069
LSM-06050-xxxx	1	3	mm in	5.50 .217	6.10 .240	4.80 .189	- -	1.70 .067	- -	2.15 .085
LSM-08070-xxxx	1	4	mm in	7.30 .287	8.10 .319	3.80 .150	- -	2.00 .079	- -	3.00 .118
LSM-08071-xxxx	1	4	mm in	7.30 .287	8.10 .319	5.38 .212	- -	2.00 .079	- -	3.00 .118
LSM-10090-xxxx	1	5	mm in	9.30 .366	10.30 .406	4.30 .169	- -	2.50 .098	- -	3.75 .148
LSM-10091-xxxx	1	5	mm in	9.30 .366	10.30 .406	5.70 .224	- -	2.50 .098	- -	3.75 .148
LSM-10060-xxxx	2	6	mm in	6.05 .238	9.50 .374	4.70 .185	5.20 .205	3.10 .122	3.00 .118	1.31 .052
LSM-11080-xxxx	2	6	mm in	8.05 .317	11.00 .433	4.70 .185	7.00 .276	3.70 .146	3.00 .118	1.71 .067
LSM-11100-xxxx	3	7	mm in	10.25 .404	11.00 .433	4.70 .185	9.00 .354	7.80 .307	3.00 .118	1.50 .059
LSM-07050-xxxx	4	8	mm in	4.78 .188	7.50 .295	3.23 .127	- -	4.04 .159	2.54 .100	1.50 .059
LSM-13090-xxxx	4	8	mm in	9.40 .370	13.46 .530	3.50 .137	- -	7.21 .284	3.43 .135	3.05 .120
LSM-13091-xxxx	4	9	mm in	9.40 .370	13.46 .530	5.90 .232	- -	7.21 .284	3.43 .135	3.05 .120
LSM-19150-xxxx	4	9	mm in	15.24 .600	18.95 .746	7.21 .284	- -	11.43 .450	3.43 .135	3.68 .145
LSM-16160-xxxx	5	10	mm in	15.80 .622	16.10 .634	7.21 .284	7.84 .309	9.21 .363	4.00 .157	4.00 .157
LSM-09060-xxxx	6	11	mm in	6.09 .240	8.89 .350	5.50 .217	- -	3.89 .153	5.72 .225	3.48 .137
LSM-13100-xxxx	6	11	mm in	10.03 .395	13.46 .530	6.60 .260	- -	6.89 .271	7.49 .295	3.43 .135
LSM-13101-xxxx	6	11	mm in	10.03 .395	13.46 .530	12.70 .500	- -	6.98 .275	7.49 .295	3.43 .135
LSM-19130-xxxx	6	12	mm in	13.21 .520	19.50 .768	7.50 .295	- -	12.07 .475	9.40 .370	3.43 .135
LSM-22150-xxxx	6	12	mm in	15.24 .600	21.97 .865	8.00 .315	- -	13.72 .540	9.40 .370	3.81 .150

LSM Switchmode Inductors Unshielded Surface Mount

Precision Model Number	Figure Number	Inductance [uH ± 20%] <i>(note 1)</i>	DC Resistance [Ohms Max]	Rated Current [Amps] <i>(note 2)</i>	Energy Storage [uJoules] <i>(note 3)</i>
LSM-05040-01R0	1	1.0	0.048	2.56	2.94
LSM-05040-01R4	1	1.4	0.056	2.52	4.00
LSM-05040-01R8	1	1.8	0.063	1.95	3.08
LSM-05040-02R2	1	2.2	0.071	1.75	3.03
LSM-05040-02R7	1	2.7	0.078	1.58	3.03
LSM-05040-03R3	1	3.3	0.086	1.44	3.08
LSM-05040-03R9	1	3.9	0.093	1.33	3.10
LSM-05040-04R7	1	4.7	0.108	1.15	2.80
LSM-05040-05R6	1	5.6	0.125	0.99	2.47
LSM-05040-0100	1	10	0.182	1.04	4.86
LSM-05040-0120	1	12	0.210	0.97	5.10
LSM-05040-0150	1	15	0.235	0.85	4.89
LSM-05040-0220	1	22	0.378	0.68	4.58
LSM-05040-0270	1	27	0.522	0.62	4.67
LSM-05040-0330	1	33	0.540	0.56	4.66

Precision Model Number	Figure Number	Inductance [uH ± 20%] <i>(note 1)</i>	DC Resistance [Ohms Max]	Rated Current [Amps] <i>(note 2)</i>	Energy Storage [uJoules] <i>(note 3)</i>
LSM-06050-0100	1	10	0.100	1.44	9.33
LSM-06050-0120	1	12	0.120	1.40	10.6
LSM-06050-0150	1	15	0.140	1.30	11.4
LSM-06050-0180	1	18	0.150	1.23	12.3
LSM-06050-0220	1	22	0.180	1.11	12.2
LSM-06050-0330	1	33	0.230	0.88	11.5
LSM-06050-0470	1	47	0.370	0.72	11.0
LSM-06050-0560	1	56	0.420	0.68	11.7
LSM-06050-0680	1	68	0.460	0.61	11.4
LSM-06050-0820	1	82	0.600	0.58	12.4
LSM-06050-0101	1	100	0.700	0.52	12.2
LSM-06050-0121	1	120	0.930	0.48	12.4
LSM-06050-0151	1	150	1.10	0.40	10.8
LSM-06050-0221	1	220	1.57	0.35	12.1

Note 1: Inductance measured at 1KHz, 0.1 Vrms, without DC current

Note 2: Rated DC current at which inductance will be decreased by 10% from its initial value or the DC current at a temperature rise of 40°C, whichever is smaller

Note 3: Energy Storage is calculated using the rated current

LSM Switchmode Inductors Unshielded Surface Mount

Precision Model Number	Figure Number	Inductance [uH ± 20%] <i>(note 1)</i>	DC Resistance [Ohms Max]	Rated Current [Amps] <i>(note 2)</i>	Energy Storage [uJoules] <i>(note 3)</i>
LSM-08070-0100	1	10	0.080	1.44	9.33
LSM-08070-0120	1	12	0.089	1.39	10.4
LSM-08070-0150	1	15	0.104	1.24	10.4
LSM-08070-0180	1	18	0.111	1.12	10.2
LSM-08070-0220	1	22	0.129	1.07	11.3
LSM-08070-0330	1	33	0.170	0.85	10.7
LSM-08070-0390	1	39	0.217	0.74	9.61
LSM-08070-0470	1	47	0.252	0.68	9.78
LSM-08070-0680	1	68	0.332	0.59	10.7
LSM-08070-0820	1	82	0.406	0.54	10.8
LSM-08070-0101	1	100	0.481	0.51	11.7
LSM-08070-0121	1	120	0.536	0.49	13.0
LSM-08070-0151	1	150	0.755	0.40	10.8
LSM-08070-0181	1	180	1.02	0.36	10.5
LSM-08070-0221	1	220	1.20	0.31	9.5
LSM-08070-0331	1	330	1.50	0.28	11.7

Precision Model Number	Figure Number	Inductance [uH ± 20%] <i>(note 1)</i>	DC Resistance [Ohms Max]	Rated Current [Amps] <i>(note 2)</i>	Energy Storage [uJoules] <i>(note 3)</i>
LSM-08071-0100	1	10	0.070	2.30	23.8
LSM-08071-0120	1	12	0.080	2.00	21.6
LSM-08071-0150	1	15	0.090	1.80	21.9
LSM-08071-0220	1	22	0.110	1.50	22.3
LSM-08071-0270	1	27	0.120	1.30	20.5
LSM-08071-0330	1	33	0.130	1.20	21.4
LSM-08071-0390	1	39	0.160	1.10	21.2
LSM-08071-0470	1	47	0.180	1.04	22.9
LSM-08071-0560	1	56	0.240	0.94	22.3
LSM-08071-0680	1	68	0.280	0.85	22.1
LSM-08071-0820	1	82	0.370	0.78	22.5
LSM-08071-0101	1	100	0.430	0.72	23.3
LSM-08071-0121	1	120	0.470	0.66	23.5
LSM-08071-0181	1	180	0.710	0.51	21.1
LSM-08071-0221	1	220	0.960	0.49	23.8
LSM-08071-0271	1	270	1.11	0.42	21.4
LSM-08071-0331	1	330	1.26	0.40	23.8
LSM-08071-0391	1	390	1.77	0.36	22.8
LSM-08071-0471	1	470	1.96	0.34	24.5

Note 1: Inductance measured at 1KHz, 0.1 Vrms, without DC current

Note 2: Rated DC current at which inductance will be decreased by 10% from its initial value or the DC current at a temperature rise of 40°C, whichever is smaller

Note 3: Energy Storage is calculated using the rated current

LSM Switchmode Inductors Unshielded Surface Mount

Precision Model Number	Figure Number	Inductance [uH ± 20%] (note 1)	DC Resistance [Ohms Max]	Rated Current [Amps] (note 2)	Energy Storage [uJoules] (note 3)
LSM-10090-0100	1	10	0.053	2.38	25.5
LSM-10090-0120	1	12	0.061	2.13	24.5
LSM-10090-0150	1	15	0.070	1.87	23.6
LSM-10090-0180	1	18	0.081	1.73	24.2
LSM-10090-0220	1	22	0.088	1.60	25.3
LSM-10090-0270	1	27	0.100	1.44	25.2
LSM-10090-0330	1	33	0.120	1.26	23.6
LSM-10090-0470	1	47	0.170	1.10	25.5
LSM-10090-0560	1	56	0.199	1.01	25.7
LSM-10090-0680	1	68	0.223	0.91	25.3
LSM-10090-0820	1	82	0.252	0.85	26.6
LSM-10090-0101	1	100	0.344	0.74	24.6
LSM-10090-0121	1	120	0.396	0.69	25.7
LSM-10090-0151	1	150	0.544	0.61	25.1
LSM-10090-0181	1	180	0.621	0.56	25.4
LSM-10090-0221	1	220	0.721	0.53	27.8
LSM-10090-0271	1	270	0.949	0.45	24.6
LSM-10090-0331	1	330	1.10	0.42	26.2
LSM-10090-0471	1	470	1.53	0.35	25.9
LSM-10090-0561	1	560	1.90	0.32	25.8

Precision Model Number	Figure Number	Inductance [uH ± 20%] (note 1)	DC Resistance [Ohms Max]	Rated Current [Amps] (note 2)	Energy Storage [uJoules] (note 3)
LSM-10091-0100	1	10	0.060	2.60	30.4
LSM-10091-0120	1	12	0.070	2.45	32.4
LSM-10091-0150	1	15	0.080	2.27	34.8
LSM-10091-0180	1	18	0.090	2.15	37.4
LSM-10091-0220	1	22	0.100	1.95	37.6
LSM-10091-0330	1	33	0.120	1.50	33.4
LSM-10091-0390	1	39	0.140	1.37	32.9
LSM-10091-0470	1	47	0.170	1.28	34.6
LSM-10091-0560	1	56	0.190	1.17	34.5
LSM-10091-0680	1	68	0.220	1.11	37.7
LSM-10091-0820	1	82	0.250	1.00	36.9
LSM-10091-0101	1	100	0.350	0.97	42.3
LSM-10091-0121	1	120	0.400	0.89	42.7
LSM-10091-0151	1	150	0.470	0.78	41.0
LSM-10091-0221	1	220	0.730	0.66	43.1
LSM-10091-0271	1	270	0.970	0.57	39.5
LSM-10091-0331	1	330	1.150	0.52	40.1
LSM-10091-0471	1	470	1.48	0.42	37.3
LSM-10091-0561	1	560	1.90	0.33	27.4
LSM-10091-0681	1	680	2.25	0.28	24.0
LSM-10091-0821	1	820	2.55	0.24	21.3

Note 1: Inductance measured at 1KHz, 0.1 Vrms, without DC current

Note 2: Rated DC current at which inductance will be decreased by 10% from its initial value or the DC current at a temperature rise of 40°C, whichever is smaller

Note 3: Energy Storage is calculated using the rated current

LSM Switchmode Inductors Unshielded Surface Mount

Precision Model Number	Figure Number	Inductance [uH ± 20%] (note 1)	DC Resistance [Ohms Max]	Rated Current [Amps] (note 2)	Energy Storage [uJoules] (note 3)
LSM-10060-0100	2	10	0.068	1.60	11.5
LSM-10060-0120	2	12	0.080	1.50	12.2
LSM-10060-0150	2	15	0.088	1.45	14.2
LSM-10060-0180	2	18	0.100	1.40	15.9
LSM-10060-0220	2	22	0.130	1.30	16.7
LSM-10060-0270	2	27	0.150	1.10	14.7
LSM-10060-0330	2	33	0.180	1.00	14.9
LSM-10060-0470	2	47	0.250	0.80	13.5
LSM-10060-0560	2	56	0.290	0.75	14.2
LSM-10060-0680	2	68	0.370	0.70	15.0
LSM-10060-0820	2	82	0.420	0.65	15.6
LSM-10060-0101	2	100	0.500	0.60	16.2
LSM-10060-0121	2	120	0.600	0.55	16.3
LSM-10060-0151	2	150	0.720	0.50	16.9
LSM-10060-0271	2	270	1.20	0.36	15.7

Precision Model Number	Figure Number	Inductance [uH ± 20%] (note 1)	DC Resistance [Ohms Max]	Rated Current [Amps] (note 2)	Energy Storage [uJoules] (note 3)
LSM-11080-0100	2	10	0.050	2.40	25.9
LSM-11080-0120	2	12	0.060	2.30	28.6
LSM-11080-0150	2	15	0.070	2.10	29.8
LSM-11080-0180	2	18	0.080	1.90	29.2
LSM-11080-0220	2	22	0.100	1.70	28.6
LSM-11080-0270	2	27	0.120	1.50	27.3
LSM-11080-0330	2	33	0.150	1.30	25.1
LSM-11080-0470	2	47	0.190	1.20	30.5
LSM-11080-0560	2	56	0.210	1.00	25.2
LSM-11080-0680	2	68	0.260	0.93	26.5
LSM-11080-0820	2	82	0.310	0.90	29.9
LSM-11080-0101	2	100	0.360	0.80	28.8
LSM-11080-0121	2	120	0.500	0.75	30.4
LSM-11080-0151	2	150	0.630	0.65	28.5
LSM-11080-0181	2	180	0.750	0.62	31.1
LSM-11080-0271	2	270	1.14	0.55	36.8
LSM-11080-0331	2	330	1.35	0.45	30.1
LSM-11080-0471	2	470	2.01	0.35	25.9

Note 1: Inductance measured at 100KHz, 0.1 Vrms, without DC current

Note 2: Rated DC current at which inductance will be decreased by 10% from its initial value or the DC current at a temperature rise of 40°C, whichever is smaller

Note 3: Energy Storage is calculated using the rated current

LSM Switchmode Inductors Unshielded Surface Mount

Precision Model Number	Figure Number	Inductance [uH ± 20%] <i>(note 1)</i>	DC Resistance [Ohms Max]	Rated Current [Amps] <i>(note 2)</i>	Energy Storage [uJoules] <i>(note 3)</i>
LSM-11100-0100	3	10	0.045	3.00	40.5
LSM-11100-0120	3	12	0.048	2.70	39.4
LSM-11100-0150	3	15	0.052	2.50	42.2
LSM-11100-0180	3	18	0.062	2.30	42.8
LSM-11100-0220	3	22	0.080	2.20	47.9
LSM-11100-0270	3	27	0.090	2.10	53.6
LSM-11100-0330	3	33	0.10	2.00	59.4
LSM-11100-0470	3	47	0.15	1.80	68.5
LSM-11100-0560	3	56	0.17	1.50	56.7
LSM-11100-0680	3	68	0.20	1.30	51.7
LSM-11100-0820	3	82	0.25	1.20	53.1
LSM-11100-0101	3	100	0.31	1.10	54.5
LSM-11100-0121	3	120	0.35	1.00	54.0
LSM-11100-0151	3	150	0.45	0.90	54.7
LSM-11100-0181	3	180	0.54	0.80	51.8
LSM-11100-0221	3	220	0.66	0.75	55.7
LSM-11100-0271	3	270	0.83	0.65	51.3
LSM-11100-0331	3	330	0.98	0.60	53.5
LSM-11100-0391	3	390	1.10	0.55	53.1
LSM-11100-0471	3	470	1.33	0.50	52.9
LSM-11100-0561	3	560	1.70	0.46	53.3
LSM-11100-0681	3	680	2.10	0.45	62.0
LSM-11100-0821	3	820	2.55	0.40	59.0
LSM-11100-0102	3	1000	3.15	0.35	55.1
LSM-11100-0152	3	1500	4.60	0.28	52.9

Note 1: Inductance measured at 100KHz, 0.1 Vrms, without DC current

Note 2: Rated DC current at which inductance will be decreased by 10% from its initial value or the DC current at a temperature rise of 40°C, whichever is smaller

Note 3: Energy Storage is calculated using the rated current

LSM Switchmode Inductors Unshielded Surface Mount

Precision Model Number	Figure Number	Inductance [uH ± 20%] (note 1)	DC Resistance [Ohms Max]	Rated Current [Amps] (note 2)	Energy Storage [uJoules] (note 3)
LSM-07050-01R0	4	1.0	0.03	2.90	3.78
LSM-07050-01R5	4	1.5	0.05	2.80	5.29
LSM-07050-02R2	4	2.2	0.06	2.40	5.70
LSM-07050-03R3	4	3.3	0.09	2.00	5.94
LSM-07050-04R7	4	4.7	0.12	1.50	4.76
LSM-07050-06R8	4	6.8	0.17	1.30	5.17
LSM-07050-0100	4	10	0.22	1.00	4.50
LSM-07050-0150	4	15	0.30	0.80	4.32
LSM-07050-0220	4	22	0.43	0.70	4.85
LSM-07050-0330	4	33	0.69	0.57	4.82
LSM-07050-0470	4	47	0.92	0.46	4.48
LSM-07050-0680	4	68	1.39	0.37	4.19
LSM-07050-0101	4	100	1.98	0.28	3.53
LSM-07050-0151	4	150	3.08	0.22	3.27
LSM-07050-0221	4	220	4.47	0.18	3.21
LSM-07050-0331	4	330	6.90	0.15	3.34
LSM-07050-0471	4	470	11.6	0.12	3.05

Precision Model Number	Figure Number	Inductance [uH ± 20%] (note 1)	DC Resistance [Ohms Max]	Rated Current [Amps] (note 2)	Energy Storage [uJoules] (note 3)
LSM-13090-0100	4	10	0.07	2.00	18.0
LSM-13090-0150	4	15	0.09	1.50	15.2
LSM-13090-0220	4	22	0.15	1.30	16.7
LSM-13090-0330	4	33	0.21	1.10	18.0
LSM-13090-0470	4	47	0.31	0.80	13.5
LSM-13090-0680	4	68	0.42	0.70	15.0
LSM-13090-0101	4	100	0.58	0.60	16.2
LSM-13090-0151	4	150	0.89	0.50	16.9
LSM-13090-0221	4	220	1.30	0.40	15.8
LSM-13090-0331	4	330	2.00	0.30	13.4
LSM-13090-0471	4	470	2.50	0.20	8.46
LSM-13090-0681	4	680	3.50	0.10	3.06
LSM-13090-0102	4	1000	6.00	0.05	1.13

Note 1: Inductance measured at 100KHz, 0.1 Vrms, without DC current

Note 2: Rated DC current at which inductance will be decreased by 10% from its initial value or the DC current at a temperature rise of 40°C, whichever is smaller

Note 3: Energy Storage is calculated using the rated current

LSM Switchmode Inductors Unshielded Surface Mount

Precision Model Number	Figure Number	Inductance [uH ± 20%] (note 1)	DC Resistance [Ohms Max]	Rated Current [Amps] (note 2)	Energy Storage [uJoules] (note 3)
LSM-13091-01R0	4	1.0	0.01	8.50	32.5
LSM-13091-01R5	4	1.5	0.01	7.90	42.1
LSM-13091-02R2	4	2.2	0.02	7.40	54.2
LSM-13091-03R3	4	3.3	0.02	6.60	64.7
LSM-13091-04R7	4	4.7	0.02	6.00	76.1
LSM-13091-06R8	4	6.8	0.03	5.20	82.7
LSM-13091-08R2	4	8.2	0.03	5.00	92.3
LSM-13091-0100	4	10	0.04	4.60	95.2
LSM-13091-0150	4	15	0.05	3.70	92.4
LSM-13091-0220	4	22	0.07	3.10	95.1
LSM-13091-0330	4	33	0.11	2.50	92.8
LSM-13091-0470	4	47	0.16	2.00	84.6
LSM-13091-0680	4	68	0.20	1.80	99.1
LSM-13091-0820	4	82	0.24	1.58	92.1
LSM-13091-0101	4	100	0.30	1.50	101
LSM-13091-0151	4	150	0.44	1.20	97.2
LSM-13091-0221	4	220	0.64	1.00	99.0
LSM-13091-0331	4	330	1.00	0.80	95.0
LSM-13091-0471	4	470	1.50	0.50	52.9
LSM-13091-0681	4	680	2.20	0.40	49.0
LSM-13091-0102	4	1000	3.15	0.30	40.5

Precision Model Number	Figure Number	Inductance [uH ± 20%] (note 1)	DC Resistance [Ohms Max]	Rated Current [Amps] (note 2)	Energy Storage [uJoules] (note 3)
LSM-19150-0R78	4	0.78	0.003	16.0	89.9
LSM-19150-01R3	4	1.3	0.004	14.0	115
LSM-19150-02R0	4	2.0	0.005	12.0	130
LSM-19150-02R6	4	2.6	0.006	10.0	117
LSM-19150-03R3	4	3.3	0.008	9.80	143
LSM-19150-05R6	4	5.6	0.010	7.50	142
LSM-19150-0100	4	10	0.023	6.00	162
LSM-19150-0150	4	15	0.035	4.50	137
LSM-19150-0220	4	22	0.045	4.00	158
LSM-19150-0330	4	33	0.075	3.00	134
LSM-19150-0470	4	47	0.096	2.60	143
LSM-19150-0680	4	68	0.14	2.30	162
LSM-19150-0101	4	100	0.19	1.70	130
LSM-19150-0151	4	150	0.29	1.50	152
LSM-19150-0221	4	220	0.41	1.20	143
LSM-19150-0331	4	330	0.54	1.00	149
LSM-19150-0471	4	470	0.80	0.83	146
LSM-19150-0681	4	680	1.15	0.72	159
LSM-19150-0102	4	1000	1.80	0.56	141

Note 1: Inductance measured at 100KHz, 0.1 Vrms, without DC current

Note 2: Rated DC current at which inductance will be decreased by 10% from its initial value or the DC current at a temperature rise of 40°C, whichever is smaller

Note 3: Energy Storage is calculated using the rated current

LSM Switchmode Inductors Unshielded Surface Mount

Precision Model Number	Figure Number	Inductance [uH ± 20%] <i>(note 1)</i>	DC Resistance [Ohms Max] <i>(note 2)</i>	Rated Current [Amps] <i>(note 3)</i>	Energy Storage [uJoules] <i>(note 4)</i>
LSM-16160-03R3	5	3.3	0.01	9.80	143
LSM-16160-04R7	5	4.7	0.01	9.30	183
LSM-16160-06R8	5	6.8	0.02	7.70	181
LSM-16160-08R2	5	8.2	0.02	7.00	181
LSM-16160-0100	5	10	0.02	6.50	190
LSM-16160-0150	5	15	0.03	5.30	190
LSM-16160-0220	5	22	0.04	4.40	192
LSM-16160-0330	5	33	0.06	3.50	182
LSM-16160-0470	5	47	0.07	3.00	190
LSM-16160-0680	5	68	0.11	2.50	191
LSM-16160-0820	5	82	0.12	2.20	179
LSM-16160-0101	5	100	0.15	2.00	180
LSM-16160-0151	5	150	0.22	1.70	195
LSM-16160-0221	5	220	0.33	1.30	167
LSM-16160-0331	5	330	0.45	1.10	180
LSM-16160-0471	5	470	0.70	0.93	183
LSM-16160-0681	5	680	1.00	0.78	186
LSM-16160-0102	5	1000	1.45	0.65	190

Note 1: Inductance measured at 100KHz, 0.1 Vrms, without DC current

Note 2: Resistance measurement with both windings conducting in parallel

Note 3: Rated DC current at which inductance will be decreased by 10% from its initial value or the DC current at a temperature rise of 40°C, whichever is smaller

Note 4: Energy Storage is calculated using the rated current

LSM Switchmode Inductors Unshielded Surface Mount

Precision Model Number	Figure Number	Inductance [uH Typ]	Inductance [uH ± 20%] (note 1)	DC Resistance [Ohms Max]	Rated Current [Amps] (note 2)	Energy Storage [uJoules] (note 3)
LSM-09060-0R47	6	0.47	0.57	0.010	6.00	9.23
LSM-09060-01R0	6	1.0	1.20	0.017	4.40	10.5
LSM-09060-01R5	6	1.5	1.60	0.020	4.20	12.7
LSM-09060-02R2	6	2.2	2.60	0.036	3.10	11.2
LSM-09060-03R3	6	3.3	3.80	0.043	2.90	14.4
LSM-09060-04R7	6	4.7	5.20	0.054	2.20	11.3
LSM-09060-06R8	6	6.8	6.90	0.090	1.70	8.97
LSM-09060-0100	6	10	11.0	0.111	1.50	11.1
LSM-09060-0150	6	15	15.3	0.170	1.20	9.90
LSM-09060-0220	6	22	23.0	0.250	1.00	10.4
LSM-09060-0330	6	33	36.0	0.367	0.82	10.9
LSM-09060-0470	6	47	48.5	0.474	0.72	11.3

Precision Model Number	Figure Number	Inductance [uH Typ]	Inductance [uH ± 20%] (note 1)	DC Resistance [Ohms Max]	Rated Current [Amps] (note 2)	Energy Storage [uJoules] (note 3)
LSM-13100-0R33	6	0.33	0.30	0.002	16.0	34.6
LSM-13100-0R68	6	0.68	0.80	0.005	12.0	51.8
LSM-13100-01R0	6	1.0	1.10	0.006	10.0	49.5
LSM-13100-01R5	6	1.5	1.50	0.008	9.0	54.7
LSM-13100-02R2	6	2.2	2.40	0.011	7.4	59.1
LSM-13100-02R7	6	2.7	2.90	0.012	6.6	56.8
LSM-13100-03R3	6	3.3	3.30	0.014	5.9	51.7
LSM-13100-04R7	6	4.7	4.80	0.018	4.8	49.8
LSM-13100-0100	6	10	10.0	0.035	3.3	49.0
LSM-13100-0150	6	15	15.4	0.046	3.1	66.6
LSM-13100-0220	6	22	21.5	0.062	2.8	75.9
LSM-13100-0330	6	33	33.2	0.092	2.1	65.9
LSM-13100-0470	6	47	48.7	0.139	1.70	63.3
LSM-13100-0680	6	68	68.2	0.180	1.50	69.1
LSM-13100-0101	6	100	103	0.271	1.20	66.7

Precision Model Number	Figure Number	Inductance [uH Typ]	Inductance [uH ± 20%] (note 1)	DC Resistance [Ohms Max]	Rated Current [Amps] (note 2)	Energy Storage [uJoules] (note 3)
LSM-13101-0R78	6	0.78	0.78	0.0026	18.8	124
LSM-13101-01R0	6	1.0	0.92	0.0031	17.3	124
LSM-13101-01R5	6	1.5	1.52	0.0040	15.0	154
LSM-13101-02R2	6	2.2	2.27	0.0050	12.0	147
LSM-13101-03R3	6	3.3	3.20	0.0065	11.0	174
LSM-13101-03R9	6	3.9	4.00	0.010	9.0	146
LSM-13101-04R7	6	4.7	4.70	0.0095	6.5	89.4
LSM-13101-07R5	6	7.5	7.50	0.015	6.0	122
LSM-13101-0100	6	10	10.0	0.040	3.5	55.1
LSM-13101-0150	6	15	15.0	0.050	3.0	60.8
LSM-13101-0220	6	22	22.0	0.066	2.5	61.9
LSM-13101-0330	6	33	33.0	0.080	2.0	59.4
LSM-13101-0470	6	47	47.0	0.110	1.6	54.1
LSM-13101-0680	6	68	68.0	0.170	1.2	44.1
LSM-13101-0101	6	100	100	0.220	1.2	64.8

Note 1: Inductance measured at 100KHz, 0.1 Vrms, without DC current

Note 2: Rated DC current at which inductance will be decreased by 10% from its initial value or the DC current at a temperature rise of 40°C, whichever is smaller

Note 3: Energy Storage is calculated using the rated current

LSM Switchmode Inductors Unshielded Surface Mount

Precision Model Number	Figure Number	Inductance [uH Typ]	Inductance [uH ± 20%] (note 1)	DC Resistance [Ohms Max]	Rated Current [Amps] (note 2)	Energy Storage [uJoules] (note 3)
LSM-19130-0R47	6	0.47	0.45	0.0021	16.0	51.8
LSM-19130-01R0	6	1.0	1.31	0.0034	12.5	92.1
LSM-19130-01R5	6	1.5	1.70	0.0053	10.0	76.5
LSM-19130-02R2	6	2.2	2.02	0.0074	9.2	76.9
LSM-19130-03R3	6	3.3	3.10	0.0083	8.0	89.3
LSM-19130-04R7	6	4.7	5.18	0.0114	6.5	98.5
LSM-19130-06R8	6	6.8	7.73	0.0183	5.8	117
LSM-19130-0100	6	10	10.6	0.026	4.3	88.2
LSM-19130-0150	6	15	15.5	0.035	3.9	106
LSM-19130-0220	6	22	23.9	0.049	3.1	103
LSM-19130-0330	6	33	32.3	0.069	2.4	83.7
LSM-19130-0470	6	47	51.0	0.108	1.9	82.8
LSM-19130-0680	6	68	66.3	0.156	1.6	76.4
LSM-19130-0101	6	100	91.6	0.206	1.4	80.8

Precision Model Number	Figure Number	Inductance [uH Typ]	Inductance [uH ± 20%] (note 1)	DC Resistance [Ohms Max]	Rated Current [Amps] (note 2)	Energy Storage [uJoules] (note 3)
LSM-22150-0R47	6	0.47	0.90	0.0019	19.2	149
LSM-22150-01R0	6	1.0	1.22	0.0030	17.3	164
LSM-22150-01R5	6	1.5	1.73	0.0040	15.0	175
LSM-22150-02R2	6	2.2	2.38	0.0061	12.0	154
LSM-22150-03R3	6	3.3	3.29	0.0086	10.0	148
LSM-22150-03R9	6	3.9	4.12	0.010	9.0	150
LSM-22150-04R7	6	4.7	4.85	0.014	8.4	154
LSM-22150-06R0	6	6.0	7.39	0.017	7.5	187
LSM-22150-07R8	6	7.8	8.53	0.018	7.5	216
LSM-22150-0100	6	10	11.3	0.026	6.0	183
LSM-22150-0150	6	15	14.0	0.028	5.5	191
LSM-22150-0220	6	22	22.6	0.034	4.5	206
LSM-22150-0330	6	33	34.5	0.052	3.7	213
LSM-22150-0470	6	47	48.0	0.074	3.1	208
LSM-22150-0680	6	68	69.2	0.120	2.4	179
LSM-22150-0101	6	100	99.4	0.170	2.0	179

Note 1: Inductance measured at 100KHz, 0.1 Vrms, without DC current

Note 2: Rated DC current at which inductance will be decreased by 10% from its initial value or the DC current at a temperature rise of 40°C, whichever is smaller

Note 3: Energy Storage is calculated using the rated current