

SMPS Magnetics

toroidal power inductors

PART NO.	INDUCTANCE @ 0 DC μ H	MAX. DCR (OHMS)	RATED CURRENT (AMPS)	5% L DROP (DC AMPS)	10% L DROP (DC AMPS)	20% L DROP (DC AMPS)	30% L DROP (DC AMPS)	40% L DROP (DC AMPS)	50% L DROP (DC AMPS)
(NEW!) SL05 SIZE SERIES									
SL05-15 (*)	15	.010	4.0	2.5	3.6	5.2	6.6	8.2	9.8
SL05-24 (*)	24	.018	2.5	2.2	3.0	4.2	5.5	6.7	7.9
SL05-35 (*)	35	.037	1.6	1.4	2.0	3.3	4.5	5.5	6.6
SL05-55 (*)	55	.072	1.0	1.4	1.9	2.7	3.5	4.2	5.0
SL05-85 (*)	85	.142	.65	.80	1.2	2.0	2.7	3.3	3.9
SL05-158 (*)	158	.271	.40	.60	.90	1.4	1.9	2.3	2.8
SL05-192 (*)	192	.530	.25	.53	.80	1.3	1.7	2.1	2.5
SL05-305 (*)	305	1.050	.16	.50	.74	1.1	1.4	1.7	2.0
(NEW!) SL06 SIZE SERIES									
SL06-26 (*)	26	.011	6.5	5.2	6.8	9.2	11.2	13.4	15.9
SL06-36 (*)	36	.013	6.5	4.5	5.8	7.8	9.6	11.5	13.5
SL06-51 (*)	51	.015	6.5	3.5	4.6	6.2	7.9	9.5	11.2
SL06-80 (*)	80	.027	4.5	2.6	3.5	4.7	6.0	7.3	8.7
SL06-122 (*)	122	.056	3.0	2.3	3.0	4.0	5.0	6.0	7.0
SL06-188 (*)	188	.104	2.0	1.9	2.5	3.4	4.1	4.9	5.7
SL06-300 (*)	300	.215	1.0	1.5	1.9	2.6	3.1	3.8	4.5
SL06-460 (*)	460	.430	.65	1.1	1.5	2.1	2.6	3.2	3.7
SL1 SIZE SERIES									
SL1-1.1 (*)	1.1	.002	5.0	26.3	34.1	50.0	59.8	71.8	83.3
SL1-2.5 (*)	2.5	.003	5.0	17.0	22.1	32.4	38.8	46.6	54.1
SL1-4.5 (*)	4.5	.004	5.0	10.7	14.3	21.0	25.2	30.2	35.1
SL1-8.0 (*)	8.0	.005	5.0	8.8	11.6	16.0	20.0	24.0	27.8
SL1-15 (*)	15	.007	5.0	5.1	7.5	11.0	14.0	16.9	20.0
SL1-30 (*)	30	.009	5.0	4.2	5.5	8.0	10.2	12.4	14.9
SL1-60 (*)	60	.017	5.0	2.1	3.6	5.4	6.9	8.5	10.2
SL1-120 (*)	120	.027	5.0	1.7	2.6	3.9	5.0	6.1	7.4
SL1-220 (*)	220	.037	5.0	1.5	2.0	3.0	3.8	4.6	5.5
SL1-450 (*)	450	.090	3.2	1.3	1.6	2.2	2.8	3.4	4.0
SL1-900 (*)	900	.230	1.5	.9	1.2	1.6	1.9	2.4	2.8
SL1-1500 (*)	1500	.470	1.1	.6	.8	1.2	1.5	1.8	2.1
SL2 SIZE SERIES									
SL2-1.4 (*)	1.4	.003	5.0	28.3	43.8	62.2	82.1	102.5	123.0
SL2-2.5 (*)	2.5	.003	5.0	23.8	36.8	52.5	69.7	87.0	104.3
SL2-5.5 (*)	5.5	.005	5.0	16.0	24.8	35.4	47.0	58.7	70.4
SL2-13 (*)	13	.007	5.0	9.5	14.7	21.0	31.5	39.3	47.1
SL2-26 (*)	26	.010	5.0	6.3	10.0	15.0	20.0	25.0	30.0
SL2-50 (*)	50	.013	5.0	4.2	6.9	10.3	13.9	17.4	21.0
SL2-100 (*)	100	.018	5.0	3.3	4.9	7.5	9.8	12.2	14.9
SL2-225 (*)	225	.034	5.0	2.9	3.7	5.1	6.9	8.3	9.9
SL2-475 (*)	475	.055	4.5	1.5	2.0	3.4	4.4	5.5	6.8
SL2-1000 (*)	1000	.130	4.5	1.2	1.6	2.3	3.1	3.9	4.7
SL2-1800 (*)	1800	.340	2.0	1.0	1.3	1.9	2.4	2.9	3.5
SL2-2700 (*)	2700	.520	2.0	.6	.9	1.4	1.8	2.3	2.8
SL3 SIZE SERIES									
SL3-1.3 (*)	1.3	.003	9.0	51.6	72.2	101.0	128.3	160.3	192.3
SL3-3.0 (*)	3.0	.004	9.0	40.0	56.0	78.4	99.5	124.3	149.0
SL3-6.5 (*)	6.5	.005	9.0	31.2	43.6	61.0	77.5	96.8	116.1
SL3-14 (*)	14	.008	9.0	24.4	34.3	48.6	62.1	77.5	92.9
SL3-30 (*)	30	.011	9.0	17.6	24.8	35.2	45.0	56.2	67.4
SL3-55 (*)	55	.015	9.0	12.2	18.5	26.3	33.6	42.0	50.4
SL3-100 (*)	100	.020	9.0	9.4	13.3	19.7	25.2	31.6	37.9
SL3-220 (*)	220	.020	9.0	4.9	6.6	9.4	11.9	14.4	17.1
SL3-470 (*)	470	.034	7.0	2.7	4.1	6.3	8.1	10.0	12.0
SL3-1000 (*)	1000	.120	3.5	2.0	2.7	4.2	5.4	6.8	8.2
SL3-2200 (*)	2200	.220	2.8	1.6	2.1	3.0	3.8	4.6	5.5
SL3-4000 (*)	4000	.300	2.0	1.1	1.5	2.1	2.8	3.3	4.0
SL4 SIZE SERIES									
SL4-2.2 (*)	2.2	.003	14.0	49.8	67.2	100.2	130.2	158.8	190.6
SL4-5 (*)	5.0	.004	14.0	40.0	54.0	80.5	104.6	127.6	153.1
SL4-11 (*)	11	.005	14.0	32.1	43.3	64.5	83.8	102.2	122.6
SL4-23 (*)	23	.007	14.0	24.6	33.2	49.5	64.3	78.4	94.1
SL4-50 (*)	50	.011	14.0	18.3	24.7	36.9	47.8	58.3	70.0
SL4-100 (*)	100	.016	14.0	12.8	17.3	25.9	33.6	41.0	49.2
SL4-230 (*)	230	.023	14.0	7.1	10.4	15.8	20.5	25.0	30.0
SL4-470 (*)	470	.023	14.0	3.5	5.4	8.0	10.4	12.7	15.4
SL4-1000 (*)	1000	.065	9.0	2.4	3.5	5.5	7.2	8.8	10.7
SL4-2200 (*)	2200	.120	7.0	2.0	3.0	4.0	5.0	6.1	7.3
SL4-4000 (*)	4000	.260	4.5	1.1	1.8	2.8	3.5	4.5	5.4
SL4-5600 (*)	5600	.310	4.5	.9	1.4	2.2	3.0	3.8	4.5

* Add either -F, -B, or -M to Part No. to designate construction.
See photos and outline drawings on adjacent page.

NOTES:

- Non-standard inductance values available on special order, i.e., specify P/N SL2-75-F for 75 μ H.
- Inductance \pm 15% measured at 1 kHz. See drive level test condition chart.
- DCR measured at 20°C. 130°C insulation system.
- Current values for percentage inductance drop are typical.
- Recommended PC board clearance hole .065 dia. min.

DRIVE LEVEL TEST CONDITIONS

Inductance	Drive Level @ 1 kHz
0-200 μ H	100 mA AC
200 μ H — 2 mH	10 mA AC
2 mH — 20 mH	1 mA AC