

# Self-Leaded Surface Mount Inductors

Low Profile, Self-Leaded Design

Base material meets UL 94VO rating

IR & Vapor Reflow Compatible

Designed for low profile applications  
such as Lap Top and Notebook Computers.

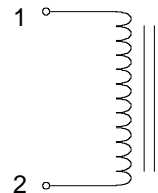
# NEW!

Electrical Specifications at 25°C

Part Number	L ± 20% No DC (μH)	L <sup>(1)</sup> With DC (μH)	I <sub>DC</sub> (A)	ET <sup>(1)</sup> Product (V-μS)	DCR max. (mΩ)	Size Code
L-15300	7.0	6.2	1.40	1.33	70.0	SL-1
L-15301	22.7	17.6	1.00	2.40	125.0	SL-1
L-15302	35.3	29.7	1.40	4.60	165.0	SL-2
L-15303	73.0	58.1	1.30	7.83	290.0	SL-3
L-15304	167.0	114.0	0.94	10.00	380.0	SL-2
L-15305	292.0	192.0	0.90	15.70	560.0	SL-3
L-15306	672.0	383.0	0.72	23.50	862.0	SL-3
L-15307	1134.0	645.0	0.74	36.50	1250.0	SL-4
L-15308	1950.0	1070.0	0.71	54.40	1700.0	SL-5
L-15309	1.1	1.0	3.40	0.53	11.0	SL-1
L-15310	12.3	9.4	2.80	2.70	43.4	SL-2
L-15311	21.9	16.2	2.70	4.29	63.0	SL-3
L-15312	40.5	29.1	2.70	6.90	85.0	SL-4
L-15313	72.9	50.0	2.60	10.50	133.0	SL-5
L-15314	5.2	3.8	4.80	1.76	17.3	SL-2
L-15315	7.5	5.1	5.40	2.51	17.7	SL-3
L-15316	14.0	9.0	5.50	4.06	22.3	SL-4
L-15317	25.9	16.1	5.10	6.27	32.0	SL-5
L-15318	3.8	2.5	8.00	1.77	8.3	SL-3
L-15319	7.9	4.9	7.80	3.04	12.4	SL-4
L-15320	16.0	9.3	7.20	4.92	18.7	SL-5

Tape & Reel  
Available

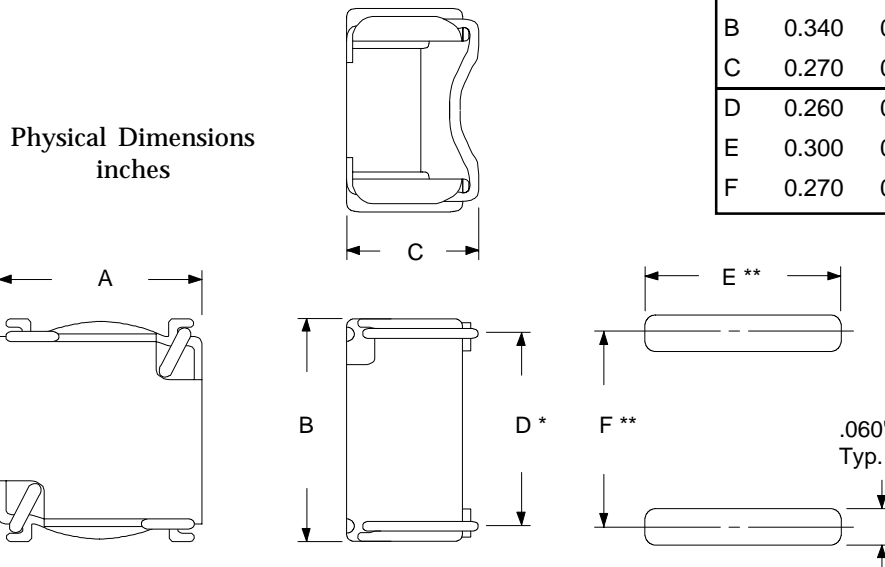
Schematic



Operating  
Temperature  
Range:  
-40°C to +85°C

1) Typical values for a 55°C Temperature rise. At 500 kHz and E-T value above, the core loss is 10 % of copper loss.

	SL-1	SL-2	SL-3	SL-4	SL-5
A	0.340	0.435	0.560	0.590	0.670
B	0.340	0.440	0.565	0.615	0.700
C	0.270	0.360	0.360	0.390	0.390
D	0.260	0.350	0.450	0.500	0.580
E	0.300	0.400	0.520	0.550	0.620
F	0.270	0.360	0.460	0.510	0.590



\* Tolerance  
is ± .015 (0.38)

\*\* Tolerance  
is ± .005 (0.15)

Specifications are subject to change without notice

SL-L - 5/97