

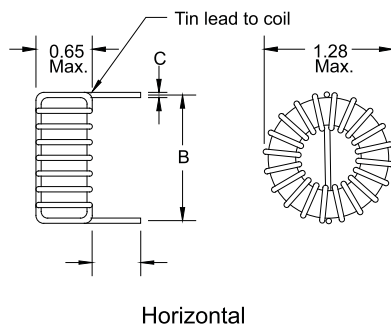
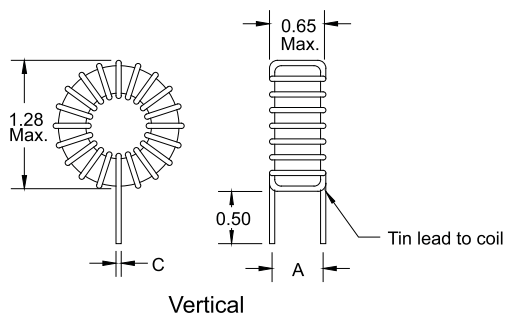
Features

- Low core loss
- High current capacity
- Horizontal or vertical mount
- Low cost
- Operating temperature -55 to +105 °C
- Rated Idc cause 30°C temperature rise.

Applications

- Switch mode power supplies
- DC/DC converters
- Output chokes
- EMI Filters

Dimensions (inches)



Electrical Characteristics For M2300LL Series

Part Number	L [uH] @1KHz	Idc (A)	L(uH) ±20% @Irated	DCR [Ω] (max)	Dim. A Nom.	Dim. B Nom.	Dim. C Nom.
M2300LL-1R5-RC	1.5 ±20%	34.0	1.1	0.001	0.59	1.21	0.066
M2300LL-2R7-RC	2.7 ±20%	29.4	1.9	0.002	0.59	1.21	0.066
M2300LL-3R9-RC	3.9 ±20%	26.3	2.6	0.002	0.59	1.21	0.066
M2300LL-5R6-RC	5.6 ±20%	24.0	3.5	0.003	0.59	1.21	0.066
M2300LL-8R2-RC	8.2 ±20%	22.3	4.9	0.003	0.59	1.21	0.066
M2300LL-100-RC	10 ±15%	20.8	5.8	0.004	0.59	1.21	0.066
M2300LL-120-RC	12 ±15%	19.6	6.7	0.004	0.59	1.21	0.066
M2300LL-150-RC	15 ±15%	18.6	8.0	0.005	0.59	1.21	0.066
M2300LL-180-RC	18 ±15%	18.5	9.0	0.005	0.59	1.21	0.066
M2300LL-220-RC	22 ±15%	17.7	10.6	0.005	0.59	1.21	0.066
M2300LL-270-RC	27 ±15%	17.0	12.6	0.006	0.59	1.21	0.066
M2300LL-330-RC	33 ±15%	13.0	17.9	0.010	0.56	1.18	0.053
M2300LL-390-RC	39 ±15%	12.2	20.1	0.011	0.56	1.18	0.053
M2300LL-470-RC	47 ±15%	11.8	23.7	0.012	0.56	1.18	0.053
M2300LL-560-RC	56 ±15%	8.9	31.9	0.020	0.54	1.16	0.042
M2300LL-680-RC	68 ±15%	8.5	37.4	0.023	0.54	1.16	0.042
M2300LL-820-RC	82 ±15%	8.1	43.7	0.025	0.54	1.16	0.042
M2300LL-101-RC	100 ±15%	7.8	51.7	0.027	0.54	1.16	0.042
M2300LL-121-RC	120 ±15%	7.4	59.3	0.030	0.54	1.16	0.042
M2300LL-151-RC	150 ±15%	7.0	71.1	0.033	0.54	1.16	0.042
M2300LL-181-RC	180 ±15%	6.7	82.1	0.037	0.54	1.16	0.042
M2300LL-221-RC	220 ±15%	5.1	116.6	0.063	0.52	1.14	0.034
M2300LL-271-RC	270 ±15%	4.8	137.7	0.070	0.52	1.14	0.034
M2300LL-331-RC	330 ±15%	4.6	160.8	0.079	0.52	1.14	0.034
M2300LL-391-RC	390 ±15%	4.4	183.6	0.085	0.52	1.14	0.034
M2300LL-471-RC	470 ±15%	4.2	212.5	0.094	0.52	1.14	0.034
M2300LL-561-RC	560 ±15%	4.0	243.6	0.103	0.52	1.14	0.034
M2300LL-681-RC	680 ±15%	3.8	283.0	0.113	0.52	1.14	0.034
M2300LL-821-RC	820 ±15%	3.6	327.4	0.123	0.52	1.14	0.034
M2300LL-102-RC	1000 ±15%	3.5	378.9	0.137	0.52	1.14	0.034

Note: Insert -H or -V for mounting style before -RC
Example: M2300LL-102-V-RC