

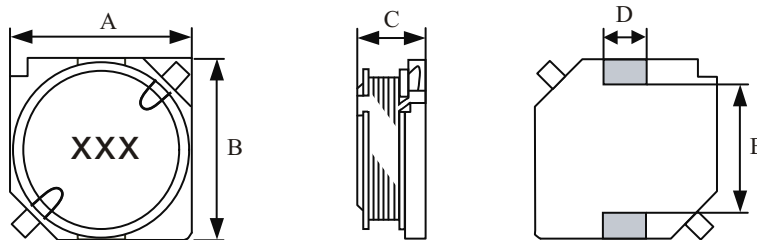
### Features

- High-Current Inductor
- Lowest DCR
- Low profile

### Applications

- Notebook, DC/DC converters,
- Portable communication equipments.

## ► Dimensions & Configurations (Unit:mm)



Type	A(max)	B(max)	C(max)	D(Ref)	E(Ref)
MSLF7630	7.6	7.6	3.0	2.0	4.5
MSLF7635	7.6	7.6	3.5	2.0	4.5
MSLF7651	7.6	7.6	5.1	2.0	4.5

Note: Design as Customer's Requested Specifications.

## ▶ Electrical Characteristics For MSLF7630 Series

Part Number	Inductance [μH]	Test Freq [KHz]	DCR(max) [Ω]	IDC(max) [A]
MSLF7630 - 1R0M	1	100	0.02	3.60
MSLF7630 - 1R5M	1.5	100	0.03	3.40
MSLF7630 - 2R2M	2.2	100	0.03	2.68
MSLF7630 - 3R3M	3.3	100	0.04	2.40
MSLF7630 - 4R7M	4.7	100	0.06	2.26
MSLF7630 - 6R8M	6.8	100	0.08	1.66
MSLF7630 - 100M	10	100	0.12	1.37
MSLF7630 - 120M	12	100	0.14	1.12
MSLF7630 - 150M	15	100	0.18	1.08
MSLF7630 - 180M	18	100	0.20	1.04
MSLF7630 - 220M	22	100	0.27	0.80
MSLF7630 - 270M	27	100	0.32	0.77
MSLF7630 - 330M	33	100	0.35	0.71
MSLF7630 - 390M	39	100	0.48	0.62
MSLF7630 - 470M	47	100	0.56	0.56
MSLF7630 - 560M	56	100	0.63	0.54
MSLF7630 - 680M	68	100	0.71	0.50
MSLF7630 - 820M	82	100	0.97	0.43
MSLF7630 - 101M	100	100	1.08	0.39

## ▶ Electrical Characteristics For Ms7635 Series

Part Number	Inductance [μH]	Test Freq [KHz]	DCR(max) [Ω]	IDC(max) [A]
MSLF7635 - 1R0M	1	100	0.018	3.00
MSLF7635 - 1R5M	1.5	100	0.023	2.62
MSLF7635 - 2R2M	2.2	100	0.029	2.27
MSLF7635 - 3R3M	3.3	100	0.039	1.98
MSLF7635 - 4R7M	4.7	100	0.050	1.75
MSLF7635 - 6R8M	6.8	100	0.065	1.47
MSLF7635 - 100M	10	100	0.086	1.28
MSLF7635 - 120M	12	100	0.111	1.09
MSLF7635 - 150M	15	100	0.143	0.98
MSLF7635 - 180M	18	100	0.169	0.87
MSLF7635 - 220M	22	100	0.202	0.80
MSLF7635 - 270M	27	100	0.260	0.70
MSLF7635 - 330M	33	100	0.312	0.63
MSLF7635 - 390M	39	100	0.364	0.58
MSLF7635 - 470M	47	100	0.442	0.53
MSLF7635 - 560M	56	100	0.520	0.48
MSLF7635 - 680M	68	100	0.650	0.42
MSLF7635 - 820M	82	100	0.780	0.37
MSLF7635 - 101M	100	100	1.027	0.33

► Electrical Characteristics For MSLF7651 Series

Part Number	Inductance [ $\mu$ H]	Test Freq [KHz]	DCR(max) [ $\Omega$ ]	IDC(max) [A]
MSLF7651 - 1R0M	1	100	0.02	2.88
MSLF7651 - 1R5M	1.5	100	0.03	2.56
MSLF7651 - 2R2M	2.2	100	0.03	2.36
MSLF7651 - 3R3M	3.3	100	0.04	2.16
MSLF7651 - 4R7M	4.7	100	0.05	1.88
MSLF7651 - 6R8M	6.8	100	0.06	1.68
MSLF7651 - 100M	10	100	0.07	1.56
MSLF7651 - 120M	12	100	0.08	0.14
MSLF7651 - 150M	15	100	0.09	1.36
MSLF7651 - 180M	18	100	0.10	1.28
MSLF7651 - 220M	22	100	0.12	1.17
MSLF7651 - 270M	27	100	0.14	1.07
MSLF7651 - 330M	33	100	0.16	1.00
MSLF7651 - 390M	39	100	0.19	0.91
MSLF7651 - 470M	47	100	0.22	0.84
MSLF7651 - 560M	56	100	0.29	0.72
MSLF7651 - 680M	68	100	0.34	0.66
MSLF7651 - 820M	82	100	0.46	0.58
MSLF7651 - 101M	100	100	0.55	0.51
MSLF7651 - 121M	120	100	0.67	0.42
MSLF7651 - 151M	150	100	0.90	0.37
MSLF7651 - 181M	180	100	1.05	0.35
MSLF7651 - 221M	220	100	1.35	0.29
MSLF7651 - 271M	270	100	1.55	0.28
MSLF7651 - 331M	330	100	2.05	0.23
MSLF7651 - 391M	390	100	2.30	0.21
MSLF7651 - 471M	470	100	2.60	0.19