

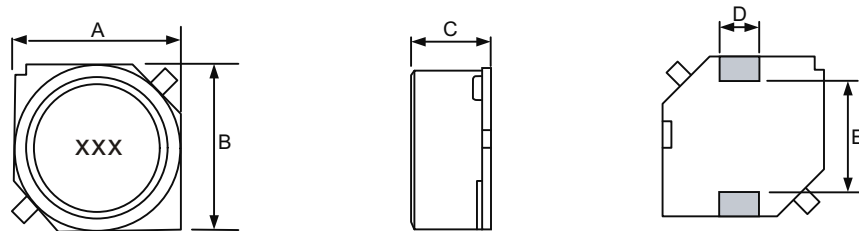
Features

- Magnetically shielded construction.
- Large Current and Low DCR.
- Compact and thin.

Applications

- Game machine, HDD, Notebook PC
- DC-DC converter
- VCR Camera
- Low-profile, and high-current power supplies.

► Dimensions & Configurations (Unit:mm)



Type	A(max)	B(max)	C(max)	D(Ref)	E(Ref)
MSLC7630	7.6	7.6	3.0	2.0	4.5
MSLC7635	7.6	7.6	3.5	2.0	4.5
MSLC7651	7.6	7.6	5.1	2.0	4.5
MSLC7681	7.6	7.6	8.1	2.0	4.5
MSLC125	12.8	12.8	5.8	3.0	8.6
MSLC126	12.8	12.8	6.9	3.0	8.6
MSLC127	12.8	12.8	7.9	3.0	8.6

Note: Design as Customer's Requested Specifications.

► Electrical Characteristics For MSLC7630 Series

Part Number	Inductance [μ H]	Test Freq [KHz]	DCR(max) [Ω]	IDC(max) [A]
MSLC7630 - 1R0M	1.2	100	0.02	2.73
MSLC7630 - 1R5M	1.8	100	0.02	2.26
MSLC7630 - 2R2M	2.4	100	0.03	1.91
MSLC7630 - 3R3M	3.3	100	0.03	1.68
MSLC7630 - 4R7M	4.7	100	0.04	1.28
MSLC7630 - 6R8M	6.8	100	0.05	1.06
MSLC7630 - 100M	10	100	0.08	1.04
MSLC7630 - 120M	12	100	0.10	0.84
MSLC7630 - 150M	15	100	0.11	0.77
MSLC7630 - 180M	18	100	0.13	0.67
MSLC7630 - 220M	22	100	0.18	0.62
MSLC7630 - 270M	27	100	0.20	0.57
MSLC7630 - 330M	33	100	0.26	0.51
MSLC7630 - 390M	39	100	0.30	0.46
MSLC7630 - 470M	47	100	0.41	0.45
MSLC7630 - 560M	56	100	0.43	0.37
MSLC7630 - 680M	68	100	0.50	0.35
MSLC7630 - 820M	82	100	0.72	0.32
MSLC7630 - 101M	100	100	0.78	0.30

► Electrical Characteristics For MSLC7635 Series

Part Number	Inductance [μ H]	Test Freq [KHz]	DCR(max) [Ω]	IDC(max) [A]
MSLC7635 - 1R0M	1	100	0.02	3.12
MSLC7635 - 1R5M	1.5	100	0.02	2.85
MSLC7635 - 2R2M	2.2	100	0.03	2.66
MSLC7635 - 3R3M	3.3	100	0.04	2.26
MSLC7635 - 4R7M	4.7	100	0.04	1.86
MSLC7635 - 6R8M	6.8	100	0.06	1.76
MSLC7635 - 100M	10	100	0.08	1.34
MSLC7635 - 120M	12	100	0.09	1.23
MSLC7635 - 150M	15	100	0.12	1.09
MSLC7635 - 180M	18	100	0.13	0.99
MSLC7635 - 220M	22	100	0.15	0.90
MSLC7635 - 270M	27	100	0.21	0.81
MSLC7635 - 330M	33	100	0.25	0.72
MSLC7635 - 390M	39	100	0.31	0.67
MSLC7635 - 470M	47	100	0.35	0.60
MSLC7635 - 560M	56	100	0.43	0.55
MSLC7635 - 680M	68	100	0.52	0.50
MSLC7635 - 820M	82	100	0.60	0.46
MSLC7635 - 101M	100	100	0.79	0.41

► Electrical Characteristics For MSLC7651 Series

Part Number	Inductance [μ H]	Test Freq [KHz]	DCR(max) [Ω]	IDC(max) [A]
MSLC7651 - 1R0M	1	100	0.02	2.80
MSLC7651 - 1R5M	1.5	100	0.02	2.59
MSLC7651 - 2R2M	2.2	100	0.03	2.38
MSLC7651 - 3R3M	3.3	100	0.03	2.14
MSLC7651 - 4R7M	4.7	100	0.04	1.96
MSLC7651 - 6R8M	6.8	100	0.05	1.79
MSLC7651 - 100M	10	100	0.06	1.63
MSLC7651 - 120M	12	100	0.07	1.42
MSLC7651 - 150M	15	100	0.08	1.33
MSLC7651 - 180M	18	100	0.10	1.15
MSLC7651 - 220M	22	100	0.12	1.09
MSLC7651 - 270M	27	100	0.16	0.91
MSLC7651 - 330M	33	100	0.18	0.84
MSLC7651 - 390M	39	100	0.20	0.80
MSLC7651 - 470M	47	100	0.22	0.75
MSLC7651 - 560M	56	100	0.31	0.64
MSLC7651 - 680M	68	100	0.35	0.60
MSLC7651 - 820M	82	100	0.39	0.57
MSLC7651 - 101M	100	100	0.43	0.50
MSLC7651 - 121M	120	100	0.44	0.47
MSLC7651 - 151M	150	100	0.73	0.40
MSLC7651 - 181M	180	100	0.78	0.39
MSLC7651 - 221M	220	100	0.94	0.33
MSLC7651 - 271M	270	100	1.25	0.31
MSLC7651 - 331M	330	100	1.40	0.27
MSLC7651 - 391M	390	100	1.52	0.27
MSLC7651 - 471M	470	100	1.70	0.25
MSLC7651 - 561M	560	100	2.39	0.22

► Electrical Characteristics For MSLC7681 Series

Part Number	Inductance [μH]	Test Freq [KHz]	DCR(max) [Ω]	IDC(max) [A]
MSLC7681 - 1R5M	1.5	100	0.023	4.00
MSLC7681 - 2R2M	2.2	100	0.026	3.60
MSLC7681 - 3R3M	3.3	100	0.031	3.10
MSLC7681 - 4R7M	4.7	100	0.037	2.50
MSLC7681 - 6R8M	6.8	100	0.044	2.10
MSLC7681 - 100M	10	100	0.053	1.75
MSLC7681 - 120M	12	100	0.056	1.70
MSLC7681 - 150M	15	100	0.065	1.45
MSLC7681 - 180M	18	100	0.071	1.32
MSLC7681 - 220M	22	100	0.079	1.20
MSLC7681 - 270M	27	100	0.082	1.08
MSLC7681 - 330M	33	100	0.099	1.00
MSLC7681 - 390M	39	100	0.134	0.90
MSLC7681 - 470M	47	100	0.150	0.86
MSLC7681 - 560M	56	100	0.201	0.83
MSLC7681 - 680M	68	100	0.300	0.80
MSLC7681 - 820M	82	100	0.320	0.70
MSLC7681 - 101M	100	100	0.350	0.60
MSLC7681 - 121M	120	100	0.581	0.53
MSLC7681 - 151M	150	100	0.646	0.48
MSLC7681 - 181M	180	100	0.725	0.45
MSLC7681 - 221M	220	100	0.811	0.40
MSLC7681 - 271M	270	100	1.148	0.36
MSLC7681 - 331M	330	100	1.273	0.32

► Electrical Characteristics For MSLC125 Series

Part Number	Inductance [μH]	Test Freq [KHz]	DCR(max) [Ω]	IDC(max) [A]
MSLC125 - 6R0N	6	100	0.016	3.60
MSLC125 - 100M	10	100	0.022	3.40
MSLC125 - 150M	15	100	0.026	2.80
MSLC125 - 220M	22	100	0.034	2.30
MSLC125 - 330M	33	100	0.042	1.90
MSLC125 - 470M	47	100	0.062	1.60
MSLC125 - 680M	68	100	0.083	1.30
MSLC125 - 101M	100	100	0.117	1.10
MSLC125 - 151M	150	100	0.190	0.88
MSLC125 - 221M	220	100	0.270	0.72
MSLC125 - 331M	330	100	0.410	0.59
MSLC125 - 471M	470	100	0.520	0.49
MSLC125 - 681M	680	100	0.760	0.43
MSLC125 - 102M	1000	100	1.120	0.34
MSLC125 - 152M	1500	100	1.730	0.29

▶ Electrical Characteristics For MSLC126 Series

Part Number	Inductance [μH]	Test Freq [KHz]	DCR(max) [Ω]	IDC(max) [A]
MSLC126 - 2R0N	2	1	0.0117	10.0
MSLC126 - 4R2N	4.2	1	0.0150	7.3
MSLC126 - 7R0N	7	1	0.0177	5.7
MSLC126 - 100M	10	1	0.0202	5.0
MSLC126 - 150M	15	1	0.0237	4.2
MSLC126 - 220M	22	1	0.0316	3.5
MSLC126 - 330M	33	1	0.0406	2.8
MSLC126 - 470M	47	1	0.0578	2.4
MSLC126 - 680M	68	1	0.0787	2.0
MSLC126 - 101M	100	1	0.1230	1.6
MSLC126 - 151M	150	1	0.2730	1.0

▶ Electrical Characteristics For MSLC127 Series

Part Number	Inductance [μH]	Test Freq [KHz]	DCR(max) [Ω]	IDC(max) [A]
MSLC127 - 1R2N	1.2	1	0.0069	8.2
MSLC127 - 2R7N	2.7	1	0.0094	7.0
MSLC127 - 3R9N	3.9	1	0.0104	6.7
MSLC127 - 5R6N	5.6	1	0.0116	6.3
MSLC127 - 6R8N	6.8	1	0.0131	5.9
MSLC127 - 100M	10	1	0.0156	5.4
MSLC127 - 150M	15	1	0.0184	5.0
MSLC127 - 220M	22	1	0.0263	4.0
MSLC127 - 330M	33	1	0.0395	3.4
MSLC127 - 470M	47	1	0.0528	3.0
MSLC127 - 680M	68	1	0.0778	2.4
MSLC127 - 101M	100	1	0.1250	1.9
MSLC127 - 151M	150	1	0.1750	1.6
MSLC127 - 221M	220	1	0.2580	1.3