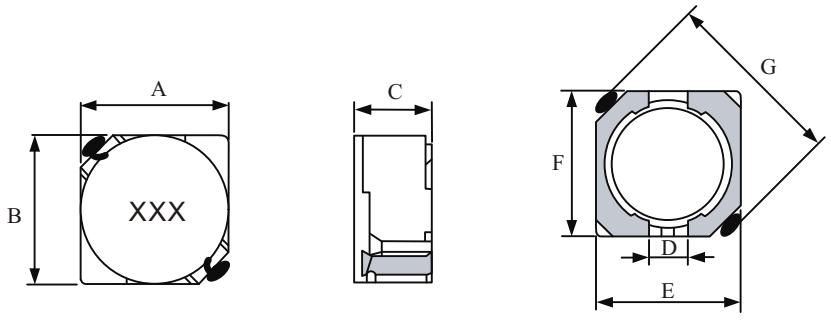
Features

- Magnetically Shielded Construction
- Large Current and Low DCR

Applications

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL

Dimensions & Configurations (Unit:mm)



Type	A(max)	B(max)	C(max)	D	E	F	G(max)
MSRH4D18	5.0	5.0	2.0	1.5	4.5	4.5	6.9
MSRH4D22	5.0	5.0	2.4	1.5	4.5	4.5	6.9
MSRH4D28	5.0	5.0	3.0	1.5	4.5	4.5	6.9
MSRH5D18	6.0	6.0	2.0	2.0	5.5	5.5	8.2
MSRH5D28	6.0	6.0	3.0	2.0	5.5	5.5	8.2
MSRH6D26	7.0	7.0	2.8	2.0	6.5	6.5	9.5
MSRH6D28	7.0	7.0	3.0	2.0	6.5	6.5	9.5
MSRH6D38	7.0	7.0	4.0	2.0	6.5	6.5	9.5

Note: Design as Customer's Requested Specifications.

Electrical Characteristics For MSRH4D18 Series

Part Number	Inductance [μH]	Test Freq [KHz]	DCR(max) [Ω]	IDC(max) [A]
MSRH4D18 - 1R0N	1.0	100	0.045	1.72
MSRH4D18 - 2R2N	2.2	100	0.075	1.32
MSRH4D18 - 2R7N	2.7	100	0.105	1.28
MSRH4D18 - 3R3N	3.3	100	0.110	1.04
MSRH4D18 - 3R9N	3.9	100	0.155	0.88
MSRH4D18 - 4R7N	4.7	100	0.162	0.84
MSRH4D18 - 5R6N	5.6	100	0.170	0.80
MSRH4D18 - 6R8N	6.8	100	0.180	0.76
MSRH4D18 - 8R2N	8.2	100	0.190	0.68
MSRH4D18 - 100N	10	100	0.200	0.61
MSRH4D18 - 120N	12	100	0.210	0.56
MSRH4D18 - 150N	15	240	0.240	0.50
MSRH4D18 - 180N	18	338	0.338	0.48
MSRH4D18 - 220M	22	397	0.397	0.41
MSRH4D18 - 270M	27	441	0.441	0.35
MSRH4D18 - 330M	33	694	0.694	0.32
MSRH4D18 - 390M	39	709	0.709	0.30

Electrical Characteristics For MSRH4D22 Series

Part Number	Inductance [μH]	Test Freq [KHz]	DCR(max) [Ω]	IDC(max) [A]
MSRH4D22 - 1R5N	1.5	100	0.0183	2.00
MSRH4D22 - 1R8N	1.8	100	0.0216	1.90
MSRH4D22 - 2R3N	2.3	100	0.0254	1.80
MSRH4D22 - 3R3N	3.3	100	0.0351	1.40
MSRH4D22 - 3R9N	3.9	100	0.0402	1.30
MSRH4D22 - 4R7N	4.7	100	0.0559	1.10
MSRH4D22 - 5R6N	5.6	100	0.0620	1.05
MSRH4D22 - 6R8N	6.8	100	0.0880	1.00
MSRH4D22 - 8R2N	8.2	100	0.0965	0.90
MSRH4D22 - 100N	10	100	0.1020	0.80
MSRH4D22 - 120N	12	100	0.1100	0.75
MSRH4D22 - 150N	15	100	0.1270	0.68
MSRH4D22 - 180N	18	100	0.1690	0.60

Electrical Characteristics For MSRH4D22 Series

Part Number	Inductance [μH]	Test Freq [KHz]	DCR(max) [Ω]	IDC(max) [A]
MSRH4D22 - 220N	22	100	0.2000	0.54
MSRH4D22 - 270N	27	100	0.2830	0.51
MSRH4D22 - 330N	33	100	0.3260	0.48
MSRH4D22 - 390N	39	100	0.4510	0.43
MSRH4D22 - 470N	47	100	0.5000	0.38
MSRH4D22 - 560N	56	100	0.5550	0.36
MSRH4D22 - 680N	68	100	0.6340	0.33
MSRH4D22 - 820N	82	100	0.7950	0.30
MSRH4D22 - 101N	100	100	0.8800	0.25
MSRH4D22 - 121N	120	100	1.1400	0.23
MSRH4D22 - 151N	150	100	1.3500	0.21

Electrical Characteristics For MSRH4D28 Series

Part Number	Inductance [μH]	Test Freq [KHz]	DCR(max) [Ω]	IDC(max) [A]
MSRH4D28 - 1R2N	1.2	100	0.024	2.56
MSRH4D28 - 1R8N	1.8	100	0.028	2.20
MSRH4D28 - 2R2N	2.2	100	0.031	2.04
MSRH4D28 - 2R7N	2.7	100	0.043	1.60
MSRH4D28 - 3R3N	3.3	100	0.049	1.57
MSRH4D28 - 3R9N	3.9	100	0.065	1.44
MSRH4D28 - 4R7N	4.7	100	0.072	1.32
MSRH4D28 - 5R6N	5.6	100	0.101	1.17
MSRH4D28 - 6R8N	6.8	100	0.109	1.12
MSRH4D28 - 8R2N	8.2	100	0.118	1.04
MSRH4D28 - 100N	10	100	0.128	1.00
MSRH4D28 - 120N	12	100	0.132	0.84
MSRH4D28 - 150N	15	100	0.149	0.76
MSRH4D28 - 180N	18	100	0.166	0.72
MSRH4D28 - 220M	22	100	0.235	0.70
MSRH4D28 - 270M	27	100	0.261	0.58
MSRH4D28 - 330M	33	100	0.331	0.56
MSRH4D28 - 390M	39	100	0.384	0.50
MSRH4D28 - 470M	47	100	0.587	0.48

Electrical Characteristics For MSRH4D28 Series

Part Number	Inductance [μH]	Test Freq [KHz]	DCR(max) [Ω]	IDC(max) [A]
MSRH4D28 - 560M	56	100	0.625	0.41
MSRH4D28 - 680M	68	100	0.699	0.35
MSRH4D28 - 820M	82	100	0.915	0.32
MSRH4D28 - 101M	100	100	1.020	0.29
MSRH4D28 - 121M	120	100	1.270	0.27
MSRH4D28 - 151M	150	100	1.350	0.24
MSRH4D28 - 181M	180	100	1.540	0.22

Electrical Characteristics For MSRH5D18 Series

Part Number	Inductance [μH]	Test Freq [KHz]	DCR(max) [Ω]	IDC(max) [A]
MSRH5D18 - 4R1N	4.1	10	0.057	1.95
MSRH5D18 - 4R7N	4.7	10	0.065	1.85
MSRH5D18 - 5R4N	5.4	10	0.076	1.60
MSRH5D18 - 5R6N	5.6	10	0.083	1.60
MSRH5D18 - 6R2N	6.2	10	0.096	1.40
MSRH5D18 - 6R8N	6.8	10	0.100	1.45
MSRH5D18 - 8R2N	8.2	10	0.120	1.25
MSRH5D18 - 8R9N	8.9	10	0.116	1.25
MSRH5D18 - 100N	10	10	0.124	1.20
MSRH5D18 - 120N	12	10	0.153	1.10
MSRH5D18 - 150N	15	10	0.196	0.97
MSRH5D18 - 180N	18	10	0.210	0.85
MSRH5D18 - 220M	22	10	0.290	0.80
MSRH5D18 - 270M	27	10	0.330	0.75
MSRH5D18 - 330M	33	10	0.385	0.65
MSRH5D18 - 390M	39	10	0.520	0.57
MSRH5D18 - 470M	47	10	0.595	0.54
MSRH5D18 - 560M	56	10	0.665	0.50
MSRH5D18 - 680M	68	10	0.840	0.43
MSRH5D18 - 820M	82	10	0.978	0.41
MSRH5D18 - 101M	100	10	1.200	0.36

Electrical Characteristics For MSRH5D28 Series

Part Number	Inductance [μH]	Test Freq [KHz]	DCR(max) [Ω]	IDC(max) [A]
MSRH5D28 - 2R5N	2.5	10	0.018	2.60
MSRH5D28 - 3R0N	3.0	10	0.024	2.40
MSRH5D28 - 4R2N	4.2	10	0.031	2.20
MSRH5D28 - 5R3N	5.3	10	0.038	1.90
MSRH5D28 - 6R2N	6.2	10	0.045	1.80
MSRH5D28 - 8R2N	8.2	10	0.053	1.60
MSRH5D28 - 100N	10	10	0.065	1.30
MSRH5D28 - 120N	12	10	0.076	1.20
MSRH5D28 - 150N	15	10	0.103	1.10
MSRH5D28 - 180N	18	10	0.110	1.00
MSRH5D28 - 220M	22	10	0.122	0.90
MSRH5D28 - 270M	27	10	0.175	0.85
MSRH5D28 - 330M	33	10	0.189	0.75
MSRH5D28 - 390M	39	10	0.212	0.70
MSRH5D28 - 470M	47	10	0.250	0.62
MSRH5D28 - 560M	56	10	0.305	0.58
MSRH5D28 - 680M	68	10	0.355	0.52
MSRH5D28 - 820M	82	10	0.463	0.46
MSRH5D28 - 101M	100	10	0.520	0.42

Electrical Characteristics For MSRH6D26 Series

Part Number	Inductance [μH]	Test Freq [KHz]	DCR(max) [Ω]	IDC(max) [A]
MSRH6D26 - 2R2N	2.2	10	0.022	3.20
MSRH6D26 - 2R9N	2.9	10	0.025	2.80
MSRH6D26 - 3R6N	3.6	10	0.029	2.50
MSRH6D26 - 5R0N	5.0	10	0.032	2.20
MSRH6D26 - 5R6N	5.6	10	0.036	2.00
MSRH6D26 - 6R8N	6.8	10	0.054	1.80
MSRH6D26 - 8R0N	8.0	10	0.060	1.60
MSRH6D26 - 100N	10	10	0.071	1.50
MSRH6D26 - 120N	12	10	0.078	1.30
MSRH6D26 - 150N	15	10	0.106	1.20
MSRH6D26 - 180N	18	10	0.114	1.10
MSRH6D26 - 220N	22	10	0.129	1.00
MSRH6D26 - 270N	27	10	0.185	0.90
MSRH6D26 - 330N	33	10	0.203	0.80
MSRH6D26 - 390N	39	10	0.223	0.75
MSRH6D26 - 470N	47	10	0.300	0.70
MSRH6D26 - 560N	56	10	0.340	0.65
MSRH6D26 - 680N	68	10	0.347	0.58
MSRH6D26 - 820N	82	10	0.490	0.53
MSRH6D26 - 101N	100	10	0.560	0.50

Electrical Characteristics For MSRH6D28 Series

Part Number	Inductance [μH]	Test Freq [KHz]	DCR(max) [Ω]	IDC(max) [A]
MSRH6D28 - 3R0N	3.0	10	0.024	3.00
MSRH6D28 - 3R9N	3.9	10	0.027	2.60
MSRH6D28 - 5R0N	5.0	10	0.031	2.40
MSRH6D28 - 6R0N	6.0	10	0.035	2.25
MSRH6D28 - 7R3N	7.3	10	0.054	2.10
MSRH6D28 - 8R6N	8.6	10	0.058	1.85
MSRH6D28 - 100N	10	10	0.065	1.70
MSRH6D28 - 120N	12	10	0.070	1.55
MSRH6D28 - 150N	15	10	0.084	1.40
MSRH6D28 - 180N	18	10	0.095	1.32
MSRH6D28 - 220N	22	10	0.128	1.20
MSRH6D28 - 270N	27	10	0.142	1.05
MSRH6D28 - 330N	33	10	0.165	0.97
MSRH6D28 - 390N	39	10	0.210	0.86
MSRH6D28 - 470N	47	10	0.238	0.80
MSRH6D28 - 560N	56	10	0.277	0.73
MSRH6D28 - 680N	68	10	0.304	0.65
MSRH6D28 - 820N	82	10	0.390	0.60
MSRH6D28 - 101N	100	10	0.535	0.54

Electrical Characteristics For MSRH6D38 Series

Part Number	Inductance [μH]	Test Freq [KHz]	DCR(max) [Ω]	IDC(max) [A]
MSRH6D38 - 3R3N	3.3	10	0.020	3.50
MSRH6D38 - 5R0N	5.0	10	0.024	2.90
MSRH6D38 - 6R2N	6.2	10	0.027	2.50
MSRH6D38 - 7R4N	7.4	10	0.031	2.30
MSRH6D38 - 8R7N	8.7	10	0.034	2.20
MSRH6D38 - 100N	10	10	0.044	2.00
MSRH6D38 - 120N	12	10	0.053	1.70
MSRH6D38 - 150N	15	10	0.057	1.60
MSRH6D38 - 180N	18	10	0.092	1.50
MSRH6D38 - 220N	22	10	0.096	1.30
MSRH6D38 - 270N	27	10	0.109	1.20
MSRH6D38 - 330N	33	10	0.124	1.10
MSRH6D38 - 390N	39	10	0.138	1.00
MSRH6D38 - 470N	47	10	0.155	0.92
MSRH6D38 - 560N	56	10	0.202	0.85
MSRH6D38 - 680N	68	10	0.234	0.75
MSRH6D38 - 820N	82	10	0.324	0.70
MSRH6D38 - 101N	100	10	0.358	0.65