



Features

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

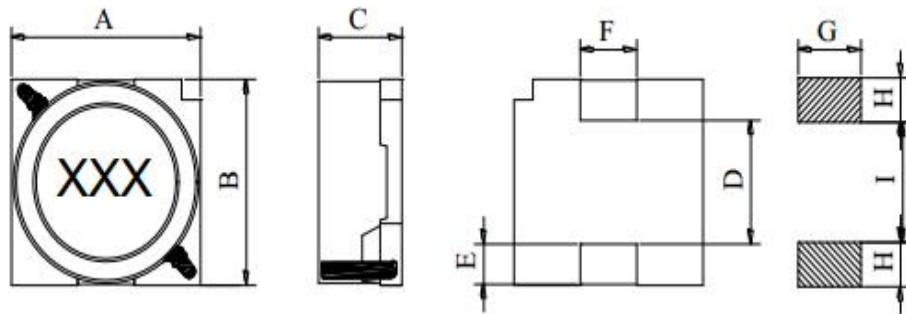
Application

- Computers, DC/DC converter, VCR Camera.

Tolerance

- (K 10%, L 15%, M 20%, N 30%)

Configurations & Dimensions



Dimensions

Chip Size

Units:mm

TYPE	A	B	C	D	E	F	G	H	I
HSLF6025	6.0±0.3	6.0±0.3	2.5±0.3	3	1.5	2	2.2	2.0	2.8
HSLF6028	6.0±0.3	6.0±0.3	2.5±0.3	3	1.5	2	2.2	2.0	2.8
HSLF7028	7.0±0.3	7.0±0.3	2.8±0.3	5	1.5	2	2.7	2.0	4.0
HSLF7030	7.0±0.3	7.0±0.3	3.0±0.3	5	1.5	2	2.7	2.0	4.0
HSLF7045	7.0±0.3	7.0±0.3	4.5±0.3	5	1.5	2	2.7	2.0	4.0
HSLF7055	7.0±0.3	7.0±0.3	5.5±0.3	5	1.5	2	2.7	2.0	4.0

Design as Customer's Requested Specifications.



Specifications HSLF6025

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (KHz)	DCR (Ω) max	Isat (A) max	Irms (A) max
HSLF6025-2R2M	2.2	20	0.25V/1	0.042	2.10	2.30
HSLF6025-3R3M	3.3	20	0.25V/1	0.045	1.85	2.00
HSLF6025-4R7M	4.7	20	0.25V/1	0.01	1.50	1.80
HSLF6025-6R8M	6.8	20	0.25V/1	0.12	1.30	1.50
HSLF6025-100M	10.0	20	0.25V/1	0.18	1.00	1.30
HSLF6025-150M	15	20	0.25V/1	0.25	0.88	1.10
HSLF6025-220M	22	20	0.25V/1	0.35	0.73	0.94
HSLF6025-330M	33	20	0.25V/1	0.50	0.59	0.79
HSLF6025-470M	47	20	0.25V/1	0.72	0.48	0.67
HSLF6025-680M	68	20	0.25V/1	0.93	0.42	0.54
HSLF6025-101M	100	20	0.25V/1	1.60	0.33	0.47
HSLF6025-151M	150	20	0.25V/1	2.30	0.30	0.45
HSLF6025-221M	220	20	0.25V/1	3.00	0.25	0.39
HSLF6025-331M	330	20	0.25V/1	4.50	0.21	0.32
HSLF6025-471M	470	20	0.25V/1	6.80	0.18	0.24
HSLF6025-681M	680	20	0.25V/1	10.00	0.15	0.20

Note: Isat: Based on inductance change ($\Delta L/L_0 \leq 30\%$) @ ambient temp. 25°C



Specifications HSLF6028

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (KHz)	DCR (mΩ) max	Isat (A) max	Irms (A) max
HSLF6028-4R7M	4.7	20	0.25V/1	29.5	1.60	3.00
HSLF6028-6R8M	6.8	20	0.25V/1	47.0	1.50	2.50
HSLF6028-100M	10.0	20	0.25V/1	74.0	1.00	2.00
HSLF6028-150M	15	20	0.25V/1	101	0.90	1.50
HSLF6028-220M	22	20	0.25V/1	141	0.77	1.00
HSLF6028-330M	33	20	0.25V/1	207	0.69	0.90
HSLF6028-470M	47	20	0.25V/1	319	0.59	0.80
HSLF6028-680M	68	20	0.25V/1	425	0.50	0.70
HSLF6028-820M	82	20	0.25V/1	586	0.45	0.60
HSLF6028-101M	100	20	0.25V/1	643	0.42	0.50
HSLF6028-151M	150	20	0.25V/1	938	0.30	0.40
HSLF6028-181M	180	20	0.25V/1	1300	0.26	0.35
HSLF6028-221M	220	20	0.25V/1	1363	0.20	0.30
HSLF6028-331M	330	20	0.25V/1	2335	0.20	0.25
HSLF6028-471M	470	20	0.25V/1	3421	0.15	0.20
HSLF6028-681M	680	20	0.25V/1	5023	0.10	0.15
HSLF6028-821M	820	20	0.25V/1	6726	0.09	0.12
HSLF6028-102M	1000	20	0.25V/1	7710	0.08	0.10

Note: Isat: Based on inductance change ($\Delta L/L_0 \leq 30\%$) @ ambient temp. 25°C



Speciflcations HSLF7028

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (KHz)	DCR (mΩ) max	Isat (A) max
HSLF7028-3R3M	3.3	20	0.25V/1	37	1.60
HSLF7028-4R7M	4.7	20	0.25V/1	45	1.50
HSLF7028-6R8M	6.8	20	0.25V/1	59	1.30
HSLF7028-100M	10	20	0.25V/1	83	1.10
HSLF7028-150M	15	20	0.25V/1	130	0.88
HSLF7028-220M	22	20	0.25V/1	180	0.75
HSLF7028-330M	33	20	0.25V/1	240	0.65
HSLF7028-470M	47	20	0.25V/1	340	0.54

Note: Isat:Based on inductance change ($\Delta L/L_0 \leq 30\%$)@ambient temp. 25°C

Speciflcations HSLF7030

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (KHz)	DCR (mΩ) max	Isat (A) max
HSLF7030-3R3M	3.3	20	0.25V/1	23	1.70
HSLF7030-4R7M	4.7	20	0.25V/1	36	1.50
HSLF7030-6R8M	6.8	20	0.25V/1	41	1.30
HSLF7030-100M	10	20	0.25V/1	53	0.95
HSLF7030-150M	15	20	0.25V/1	84	0.85
HSLF7030-220M	22	20	0.25V/1	110	0.76
HSLF7030-330M	33	20	0.25V/1	160	0.65
HSLF7030-470M	47	20	0.25V/1	240	0.50
HSLF7030-680M	68	20	0.25V/2	310	0.40
HSLF7030-101M	100	20	0.25V/3	450	0.32

Note: Isat:Based on inductance change ($\Delta L/L_0 \leq 30\%$)@ambient temp. 25°C



Speciflcations HSLF7045

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (KHz)	DCR (Ω) max	Isat (A) max	Irms (A) max
HSLF7045-3R3M	3.3	20	0.25V/1	0.020	2.50	2.30
HSLF7045-4R7M	4.7	20	0.25V/1	0.030	2.00	2.10
HSLF7045-6R8M	6.8	20	0.25V/1	0.039	1.70	1.74
HSLF7045-100M	10	20	0.25V/1	0.036	1.30	1.78
HSLF7045-150M	15	20	0.25V/1	0.052	1.10	1.53
HSLF7045-220M	22	20	0.25V/1	0.061	0.90	1.34
HSLF7045-330M	33	20	0.25V/1	0.096	0.82	1.09
HSLF7045-470M	47	20	0.25V/1	0.125	0.75	0.92
HSLF7045-560M	56	20	0.25V/1	0.130	0.67	0.88
HSLF7045-680M	68	20	0.25V/1	0.175	0.60	0.77
HSLF7045-101M	100	20	0.25V/1	0.250	0.50	0.65
HSLF7045-151M	150	20	0.25V/1	0.340	0.40	0.55
HSLF7045-221M	220	20	0.25V/1	0.520	0.33	0.45
HSLF7045-331M	330	20	0.25V/1	0.740	0.25	0.37
HSLF7045-471M	470	20	0.25V/1	1.050	0.22	0.31
HSLF7045-681M	680	20	0.25V/1	1.480	0.20	0.27
HSLF7045-102M	1000	20	0.25V/1	2.280	0.14	0.25

Note: Isat:Based on inductance change ($\Delta L/L_0 \leq 30\%$)@ambient temp. 25°C

Speciflcations HSLF7055

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (KHz)	DCR (mΩ) max	Isat (A) max	Irms (A) max
HSLF7055-1R5N	1.5	20	0.25V/1	23	6.20	4.00
HSLF7055-2R2N	2.2	20	0.25V/1	29	5.30	3.50
HSLF7055-3R3N	3.3	20	0.25V/1	32	4.30	3.30
HSLF7055-4R7N	4.7	20	0.25V/1	35	3.60	3.10
HSLF7055-6R8N	6.8	20	0.25V/1	46	3.00	2.80
HSLF7055-100M	10	20	0.25V/1	53	2.60	2.50
HSLF7055-150M	15	20	0.25V/1	74	2.10	2.20
HSLF7055-220M	22	20	0.25V/1	105	1.70	2.00
HSLF7055-330M	33	20	0.25V/1	160	0.81	0.96
HSLF7055-470M	47	20	0.25V/1	195	0.68	0.88
HSLF7055-680M	68	20	0.25V/1	300	0.57	0.69
HSLF7055-101M	100	20	0.25V/1	435	0.48	0.53
HSLF7055-151M	150	20	0.25V/1	555	0.38	0.47
HSLF7055-221M	220	20	0.25V/1	795	0.32	0.40