



Features

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

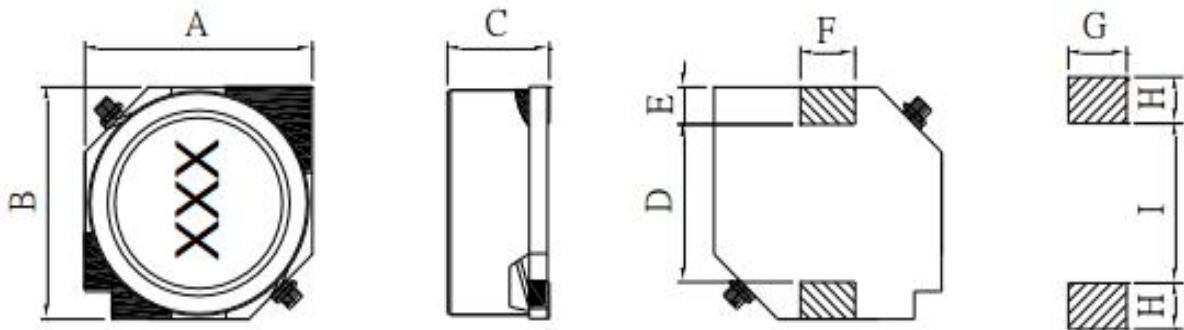
Application

- 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±0.2	E±0.15	F±0.1	G	H	I
HSLF10145	10.1±0.3	10.1±0.3	4.2±0.3	6	2.0	3	3.2	2.5	5.6
HSLF12555	12.5±0.3	12.5±0.3	5.5±0.3	8.6	2.0	3	3.2	2.5	8.6
HSLF12565	12.5±0.3	12.5±0.3	6.5±0.3	8.6	2.0	3	3.2	2.5	8.6
HSLF12575	12.5±0.3	12.5±0.3	7.5±0.3	8.6	2.0	3	3.2	2.5	8.6

Design as Customer's Requested Specifications.

Power Choke HSLF 10145 12555 Series



Specifications HSLF10145

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (KHz)	DCR (Ω) max	Isat (A) max	Irms (A) max
HSLF10145-100M	10	20	0.25V/1	0.0436	3.00	2.50
HSLF10145-150M	15	20	0.25V/1	0.0566	2.40	2.20
HSLF10145-180M	18	20	0.25V/1	0.0600	2.30	2.10
HSLF10145-220M	22	20	0.25V/1	0.0709	2.10	1.90
HSLF10145-330M	33	20	0.25V/1	0.0978	1.60	1.70
HSLF10145-470M	47	20	0.25V/1	0.132	1.40	1.50
HSLF10145-680M	68	20	0.25V/1	0.185	1.20	1.30
HSLF10145-101M	100	20	0.25V/1	0.257	0.95	1.10
HSLF10145-151M	150	20	0.25V/1	0.420	0.79	0.80
HSLF10145-221M	220	20	0.25V/1	0.564	0.65	0.70
HSLF10145-331M	330	20	0.25V/1	1.080	0.54	0.60
HSLF10145-471M	470	20	0.25V/1	1.236	0.45	0.47
HSLF10145-681M	680	20	0.25V/1	1.920	0.38	0.38
HSLF10145-102M	1000	20	0.25V/1	3.360	0.28	0.29
HSLF10145-152M	1500	20	0.25V/1	4.080	0.22	0.26

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

Specifications HSLF12555

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (KHz)	DCR (Ω) max	Isat (A) max	Irms (A) max
HSLF12555-6R3M	6.3	20	0.25V/1	0.0236	3.60	4.90
HSLF12555-100M	10	20	0.25V/1	0.0278	3.40	4.30
HSLF12555-150M	15	20	0.25V/1	0.0347	2.80	3.90
HSLF12555-220M	22	20	0.25V/1	0.0456	2.30	3.40
HSLF12555-330M	33	20	0.25V/1	0.0564	1.90	3.10
HSLF12555-470M	47	20	0.25V/1	0.074	1.60	2.50
HSLF12555-680M	68	20	0.25V/1	0.119	1.30	2.20
HSLF12555-101M	100	20	0.25V/1	0.164	1.10	1.80
HSLF12555-151M	150	20	0.25V/1	0.265	0.88	1.40
HSLF12555-221M	220	20	0.25V/1	0.324	0.72	1.20
HSLF12555-331M	330	20	0.25V/1	0.492	0.59	1.00
HSLF12555-471M	470	20	0.25V/1	0.744	0.49	0.88
HSLF12555-681M	680	20	0.25V/1	1.06	0.43	0.73
HSLF12555-102M	1000	20	0.25V/1	1.52	0.34	0.60
HSLF12555-152M	1500	20	0.25V/1	2.23	0.29	0.48

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

Power Choke HSLF 12565 12575 Series



Specifications HSLF12565

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (KHz)	DCR (Ω) max	Isat (A) max	Irms (A) max
HSLF12565-2R0N	2	30	0.25V/1	0.0140	10.0	6.2
HSLF12565-4R2N	4	30	0.25V/1	0.0180	7.3	5.5
HSLF12565-7R0N	7	30	0.25V/1	0.0212	5.7	5.0
HSLF12565-100M	10	20	0.25V/1	0.0249	5.0	4.8
HSLF12565-150M	15	20	0.25V/1	0.0330	4.2	4.4
HSLF12565-220M	22	20	0.25V/1	0.0490	3.5	3.8
HSLF12565-330M	33	20	0.25V/1	0.0735	2.8	3.4
HSLF12565-470M	47	20	0.25V/1	0.0896	2.4	2.8
HSLF12565-680M	68	20	0.25V/1	0.112	2.0	2.4
HSLF12565-101M	100	20	0.25V/1	0.174	1.6	1.9
HSLF12565-221M	220	20	0.25V/1	0.377	1.0	1.2

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

Specifications HSLF12575

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (KHz)	DCR (Ω) max	Isat (A) max	Irms (A) max
HSLF12575-1R2N	1.2	30	0.25V/1	0.0083	13.00	8.20
HSLF12575-2R7N	3	30	0.25V/1	0.0113	10.00	7.00
HSLF12575-3R9N	4	30	0.25V/1	0.0125	9.00	6.70
HSLF12575-5R6N	6	30	0.25V/1	0.0139	7.80	6.30
HSLF12575-6R8N	7	30	0.25V/1	0.0157	7.20	5.90
HSLF12575-100M	10	20	0.25V/1	0.0202	5.50	5.40
HSLF12575-150M	15	20	0.25V/1	0.0248	4.70	5.00
HSLF12575-220M	22	20	0.25V/1	0.0359	4.00	4.00
HSLF12575-330M	33	20	0.25V/1	0.0666	3.20	3.40
HSLF12575-470M	47	20	0.25V/1	0.0726	2.70	3.00
HSLF12575-680M	68	20	0.25V/1	0.0986	2.00	2.40
HSLF12575-101M	100	20	0.25V/1	0.150	1.90	1.90
HSLF12575-151M	150	20	0.25V/1	0.21	1.50	1.60
HSLF12575-221M	220	20	0.25V/1	0.31	1.30	1.30

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