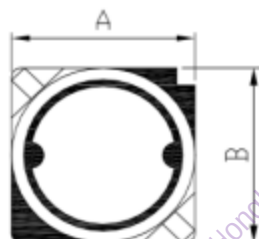
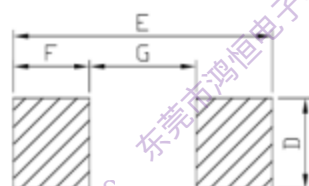


Features:

- Excellent saturation current handling to be up to 23.4A.
- Low DC resistance keeps power losses to a minimum.
- For DC/DC converter applications.
- Ideally used in thin-screen TV, LCDs, AV equipment and other electronic devices. as DC-DC converter inductors.
- Custom design is also available.
- RoHS compliant.

Appearance dimensions (mm, dimensions without tolerance are typical):

Recommended Land Patterns



Type	A	B	C	D	E	F	G	MPQ(pcs)
SLF6028	6.0±0.2	6.0±0.2	3.0 Max.	2.2	7.0	1.5	4.0	
SLF6045	6.0±0.2	6.0±0.2	4.8 Max.	2.2	7.0	1.5	4.0	
SLF7032	7.0±0.3	7.0±0.3	3.4 Max.	2.2	7.9	1.5	4.9	
SLF7035	7.0±0.3	7.0±0.3	3.6 Max.	2.2	7.9	1.5	4.9	
SLF7045	7.0±0.3	7.0±0.3	4.8 Max.	2.2	7.9	1.5	4.9	
SLF7050	7.0±0.3	7.0±0.3	5.0 Max.	2.2	7.9	1.5	4.9	
SLF10145	10.1±0.3	10.1±0.3	4.8 Max.	3.2	10.6	2.5	5.6	
SLF12555	12.5±0.3	12.5±0.3	5.5±0.3	3.2	13.6	2.5	8.6	
SLF12565	12.5±0.3	12.5±0.3	6.5±0.35	3.2	13.6	2.5	8.6	
SLF12575	12.5±0.3	12.5±0.3	7.5±0.35	3.2	13.6	2.5	8.6	

SLF6028 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
SLF6028-4R7M	4.70	20%	30.00	1.500	1.875	2.200	2.800
SLF6028-6R8M	6.80	20%	37.00	1.400	1.750	2.000	2.500
SLF6028-100M	10.0	20%	55.00	1.200	1.500	1.700	2.100
SLF6028-150M	15.0	20%	77.00	0.900	1.125	1.300	1.600
SLF6028-220M	22.0	20%	109.0	0.700	0.875	1.000	1.300
SLF6028-330M	33.0	20%	153.0	0.600	0.750	0.900	1.100
SLF6028-470M	47.0	20%	223.0	0.500	0.625	0.700	0.900
SLF6028-680M	68.0	20%	309.0	0.400	0.500	0.600	0.800
SLF6028-101M	100.0	20%	439.0	0.350	0.438	0.500	0.600

SLF6045 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
SLF6045-3R3M	3.30	20%	33.00	2.700	3.375	3.900	4.900
SLF6045-4R7M	4.70	20%	30.00	1.500	1.875	2.200	2.800
SLF6045-6R8M	6.80	20%	37.00	1.400	1.750	2.000	2.500
SLF6045-100M	10.0	20%	55.00	1.200	1.500	1.700	2.100
SLF6045-150M	15.0	20%	77.00	0.900	1.125	1.300	1.600
SLF6045-220M	22.0	20%	109.0	0.700	0.875	1.000	1.300

SLF7032 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
SLF7032-3R3M	3.30	20%	27.60	1.800	2.250	2.600	3.300
SLF7032-4R7M	4.70	20%	43.20	1.600	2.000	2.300	2.900
SLF7032-6R8M	6.80	20%	49.20	1.500	1.875	2.200	2.800
SLF7032-100M	10.0	20%	63.90	1.300	1.625	1.900	2.400
SLF7032-150M	15.0	20%	100.8	1.000	1.250	1.400	1.800
SLF7032-220M	22.0	20%	132.0	0.860	1.075	1.200	1.500
SLF7032-330M	33.0	20%	192.0	0.650	0.813	0.900	1.100
SLF7032-470M	47.0	20%	288.0	0.570	0.713	0.800	1.000
SLF7032-680M	68.0	20%	376.0	0.490	0.613	0.700	0.900
SLF7032-101M	100.0	20%	540.0	0.350	0.438	0.500	0.600

SLF7035 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
SLF7035-3R3M	3.30	20%	27.60	1.900	2.375	2.700	3.400
SLF7035-4R7M	4.70	20%	36.00	1.700	2.125	2.400	3.000
SLF7035-6R8M	6.80	20%	49.20	1.600	2.000	2.300	2.900
SLF7035-100M	10.00	20%	63.60	1.400	1.750	2.000	2.500
SLF7035-150M	15.00	20%	90.00	1.100	1.375	1.600	2.000
SLF7035-220M	22.00	20%	132.0	0.960	1.200	1.400	1.800
SLF7035-330M	33.00	20%	192.0	0.750	0.938	1.100	1.400
SLF7035-470M	47.00	20%	288.0	0.670	0.838	1.000	1.300
SLF7035-680M	68.00	20%	372.0	0.590	0.738	0.800	1.000
SLF7035-101M	100.0	20%	540.0	0.450	0.563	0.600	0.800
SLF7035-151M	150.0	20%	780.0	0.370	0.463	0.500	0.600

SLF7035 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
SLF7035-221M	220.0	20%	1260	0.290	0.363	0.400	0.500
SLF7035-331M	330.0	20%	2004	0.220	0.275	0.300	0.400
SLF7035-471M	470.0	20%	2460	0.200	0.250	0.300	0.400
SLF7035-681M	680.0	20%	3780	0.160	0.200	0.200	0.300
SLF7035-102K	1000	10%	5736	0.130	0.163	0.200	0.300

SLF7045 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
SLF7045-3R0M	3.00	20%	24.00	2.500	3.125	3.600	4.500
SLF7045-4R7M	4.70	20%	36.00	2.000	2.500	2.900	3.600
SLF7045-6R8M	6.80	20%	47.00	1.700	2.125	2.400	3.000
SLF7045-100M	10.00	20%	55.00	1.300	1.625	1.900	2.400
SLF7045-150M	15.00	20%	72.00	1.100	1.375	1.600	2.000
SLF7045-220M	22.00	20%	90.00	0.900	1.125	1.300	1.600
SLF7045-330M	33.00	20%	135.0	0.820	1.025	1.200	1.500
SLF7045-470M	47.00	20%	205.0	0.760	0.950	1.100	1.400
SLF7045-680M	68.00	20%	276.0	0.600	0.750	0.900	1.100
SLF7045-101M	100.0	20%	380.0	0.500	0.625	0.700	0.900
SLF7045-151M	150.0	20%	580.0	0.400	0.500	0.600	0.800
SLF7045-221M	220.0	20%	850.0	0.330	0.413	0.500	0.600
SLF7045-331M	330.0	20%	1270	0.250	0.313	0.400	0.500
SLF7045-471M	470.0	20%	1800	0.220	0.275	0.300	0.400
SLF7045-681M	680.0	20%	2600	0.200	0.250	0.300	0.400
SLF7045-102K	1000	10%	4420	0.140	0.175	0.200	0.300

SLF7050 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
SLF7050-3R3M	3.30	20%	24.00	2.500	3.125	3.600	4.500
SLF7050-4R7M	4.70	20%	36.00	2.000	2.500	2.900	3.600
SLF7050-6R8M	6.80	20%	40.80	1.700	2.125	2.400	3.000
SLF7050-100M	10.00	20%	43.20	1.300	1.625	1.900	2.400
SLF7050-150M	15.00	20%	62.40	1.100	1.375	1.600	2.000
SLF7050-220M	22.00	20%	73.20	0.900	1.125	1.300	1.600

SLF7050 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
SLF7050-330M	33.00	20%	115.0	0.820	1.025	1.200	1.500
SLF7050-470M	47.00	20%	168.0	0.750	0.938	1.100	1.400
SLF7050-680M	68.00	20%	210.0	0.600	0.750	0.900	1.100
SLF7050-101M	100.0	20%	300.0	0.500	0.625	0.700	0.900
SLF7050-151M	150.0	20%	490.0	0.400	0.500	0.600	0.800
SLF7050-221M	220.0	20%	700.0	0.330	0.413	0.500	0.600
SLF7050-331M	330.0	20%	1000	0.250	0.313	0.400	0.500
SLF7050-471M	470.0	20%	1500	0.220	0.275	0.300	0.400
SLF7050-681M	680.0	20%	2000	0.200	0.250	0.300	0.400
SLF7050-102K	1000	10%	3360	0.140	0.175	0.200	0.300

SLF10145 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
SLF10145-3R3N	3.30	30%	24.00	4.900	6.125	7.000	8.800
SLF10145-5R6N	5.60	30%	32.00	3.800	4.750	5.500	6.900
SLF10145-100M	10.00	20%	44.00	3.000	3.750	4.300	5.400
SLF10145-150M	15.00	20%	60.00	2.200	2.750	3.200	4.000
SLF10145-220M	22.00	20%	72.00	1.900	2.375	2.700	3.400
SLF10145-330M	33.00	20%	97.80	1.600	2.000	2.300	2.900
SLF10145-470M	47.00	20%	144.0	1.400	1.750	2.000	2.500
SLF10145-680M	68.00	20%	216.0	1.000	1.250	1.400	1.800
SLF10145-101M	100.0	20%	306.0	0.900	1.125	1.300	1.600
SLF10145-151M	150.0	20%	452.0	0.700	0.875	1.000	1.300
SLF10145-221M	220.0	20%	690.0	0.600	0.750	0.900	1.100
SLF10145-331M	330.0	20%	1026	0.500	0.625	0.700	0.900
SLF10145-471M	470.0	20%	1250	0.400	0.500	0.600	0.800
SLF10145-681M	680.0	20%	1750	0.320	0.400	0.500	0.600
SLF10145-102K	1000	10%	2500	0.280	0.350	0.400	0.500
SLF10145-152K	1500	10%	4050	0.220	0.275	0.300	0.400

SLF12555 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
SLF12555-6R0N	6.00	30%	19.20	3.600	4.500	5.200	6.500
SLF12555-100M	10.00	20%	25.80	3.400	4.250	4.900	6.100
SLF12555-150M	15.00	20%	31.10	2.800	3.500	4.000	5.000
SLF12555-220M	22.00	20%	40.60	2.300	2.875	3.300	4.100
SLF12555-330M	33.00	20%	49.80	1.900	2.375	2.700	3.400
SLF12555-470M	47.00	20%	74.20	1.600	2.000	2.300	2.900
SLF12555-680M	68.00	20%	99.80	1.300	1.625	1.900	2.400
SLF12555-101M	100.0	20%	140.0	1.100	1.375	1.600	2.000
SLF12555-151M	150.0	20%	228.0	0.880	1.100	1.300	1.600
SLF12555-221M	220.0	20%	324.0	0.720	0.900	1.000	1.300
SLF12555-331M	330.0	20%	492.0	0.590	0.738	0.800	1.000
SLF12555-471M	470.0	20%	628.0	0.490	0.613	0.700	0.900
SLF12555-681M	680.0	20%	912.0	0.430	0.538	0.600	0.800
SLF12555-102K	1000	10%	1344	0.340	0.425	0.500	0.600
SLF12555-152K	1500	10%	2076	0.290	0.363	0.400	0.500

SLF12565 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
SLF12565-1R8N	1.80	30%	14.00	10.000	12.500	14.400	18.000
SLF12565-3R9N	3.90	30%	18.00	7.300	9.125	10.500	13.100
SLF12565-6R2N	6.20	30%	21.20	5.700	7.125	8.200	10.300
SLF12565-100M	10.00	20%	24.20	5.000	6.250	7.200	9.000
SLF12565-150M	15.00	20%	28.40	4.200	5.250	6.000	7.500
SLF12565-220M	22.00	20%	37.90	3.500	4.375	5.000	6.300
SLF12565-330M	33.00	20%	56.40	2.800	3.500	4.000	5.000
SLF12565-470M	47.00	20%	69.30	2.400	3.000	3.500	4.400
SLF12565-680M	68.00	20%	104.0	2.000	2.500	2.900	3.600
SLF12565-101M	100.0	20%	147.0	1.600	2.000	2.300	2.900
SLF12565-221M	220.0	20%	327.0	1.000	1.250	1.400	1.800

SLF12575 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
SLF12575-1R2N	1.20	30%	8.30	13.000	16.250	18.700	23.400
SLF12575-2R7N	2.70	30%	11.30	10.000	12.500	14.400	18.000
SLF12575-3R9N	3.90	30%	12.50	9.000	11.250	12.900	16.100
SLF12575-5R6N	5.60	30%	13.90	7.800	9.750	11.200	14.000
SLF12575-6R8N	6.80	30%	15.70	7.200	9.000	10.400	13.000
SLF12575-100M	10.0	20%	18.70	5.500	6.875	7.900	9.900
SLF12575-150M	15.0	20%	23.30	4.700	5.875	6.800	8.500
SLF12575-220M	22.0	20%	31.60	4.000	5.000	5.800	7.300
SLF12575-330M	33.0	20%	47.40	3.200	4.000	4.600	5.800
SLF12575-470M	47.0	20%	63.40	2.700	3.375	3.900	4.900
SLF12575-680M	68.0	20%	93.40	2.000	2.500	2.900	3.600
SLF12575-101M	100.0	20%	150.0	1.900	2.375	2.700	3.400
SLF12575-151M	150.0	20%	210.0	1.500	1.875	2.200	2.800
SLF12575-221M	220.0	20%	309.0	1.300	1.625	1.900	2.400

Remarks:

- * All test data is referenced to 25℃ ambient temperature .
- * Test equipment: VC4092B, TH2516B, HP4284/HP4284A ,HP4285 or equivalent .
- * Inductance: at 100kHz/1.0Vrms.
- * Isat: DC current at which the inductance drops 30% from its initial value without current.
- * I rms: DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 25℃.