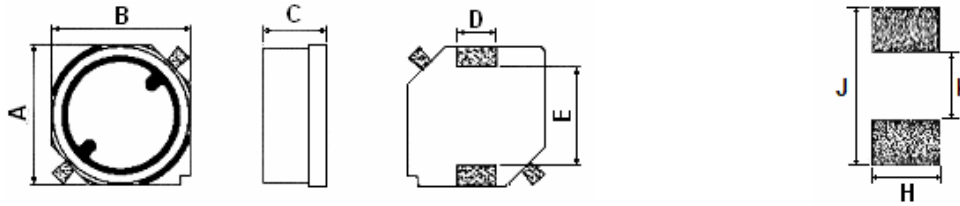


**Application Field**

- Notebook, portable communication equipment
- DC/DC Converters
- DC Power supply circuit.

**Features**

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

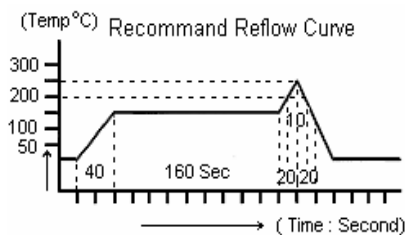


**PCB Pattern**

TYPE	A	B	C	D	E(typ)	H(typ)	J(typ)	K(typ)
SLF06028	6.0±0.2	6.0±0.2	2.8±0.2	2.0±0.1	1.45	2.3	6.6	2.8
SLF07028	7.0±0.2	7.0±0.2	2.8±0.2	2.0±0.1	4.9	2.3	7.6	4.6
SLF0703	7.0±0.2	7.0±0.2	3.2±0.2	2.0±0.1	4.9	2.3	7.6	4.6
SLF07035	7.0±0.2	7.0±0.2	4.0Max	2.0±0.1	4.9	2.3	7.6	4.6
SFL0704	7.0±0.2	7.0±0.2	4.5Max	2.0±0.1	4.9	2.3	7.6	4.6
SFL07045	7.0±0.2	7.0±0.2	5.0Max	2.0±0.1	4.9	2.3	7.6	4.6
SFL07065	7.0±0.2	7.0±0.2	6.5Max	2.0±0.1	4.9	2.3	7.6	4.6
SFL0730	7.0±0.2	7.0±0.2	3.0±0.2	2.0±0.1	4.9	2.3	7.6	4.6
SLF10145	10.1±0.3	10.1±0.3	4.5±0.3	3.0±0.1	6.0±0.2	3.3	10.8	5.5
SLF1255	12.5±0.3	12.5±0.3	5.5±0.3	2.0±0.3	8.05±0.2	3.0	13.2	8.05
SLF1265	12.5±0.3	12.5±0.3	6.5±0.35	2.2±0.3	8.05±0.2	3.0	13.2	8.05
SLF1275	12.5±0.3	12.5±0.3	7.5±0.35	2.2±0.35	8.05±0.2	3.2	13.2	8.05

**General Specification:**

1. Storage temp: -40°C ~ +125°C
2. Operating temp: -25°C ~ +105°C
3. Resistance to solder heat : 250°C 10secs





## SLF0704, SLF07045, SLF07065, SLF0730-Series

Part No.	L( $\mu$ H)	0704		07045		07065		0730	
		RDC( $\Omega$ ) $\pm$ 20%	IDC(A)min	RDC( $\Omega$ ) $\pm$ 20%	IDC(A)min	RDC( $\Omega$ ) $\pm$ 20%	IDC(A)min	RDC( $\Omega$ ) $\pm$ 20%	IDC(A)min
1R0	1.0	0.019	4.00						
1R2	1.2	0.019	3.20	0.006	3.80				
2R0	2.0	0.019	2.94						
3R3	3.3	0.020	2.50					0.023	1.80
4R7	4.7	0.030	2.00	0.029	2			0.030	1.60
6R8	6.8	0.039	1.70					0.041	1.50
100	10	0.045	1.30	0.035	1.95			0.053	1.30
150	15	0.051	1.10	0.054	1.40	0.056	2.80	0.075	1.00
220	22	0.060	0.90					0.110	0.86
330	33	0.095	0.82					0.160	0.65
470	47	0.124	0.75					0.240	0.57
560	56	0.160	0.67					0.280	0.53
680	68	0.175	0.60					0.310	0.49
820	82	0.244	0.52						
101	100	0.250	0.50	0.250	0.60			0.450	0.35
151	150	0.340	0.40						
221	220	0.520	0.33						
331	330	0.740	0.25						
471	470	1.050	0.22						
681	680	1.480	0.20	2.080	0.27				
102	1000	2.280	0.14						

## SLFxxxx-xxxK-E , Code "-E" : Lead free process and RoHs compliant

Inductance tolerance : N $\pm$ 30% M $\pm$ 20% L $\pm$ 15% K $\pm$ 10% J $\pm$ 5% IDC :  $\Delta$  L / L (0A)  $\leq$  30%Inductance tested : 1.0 $\mu$ H - 6.8 $\mu$ H / 100KHZ / 0.25V 10 $\mu$ H - 1000 $\mu$ H / 1KHZ / 0.25V

RoHS Compliant



## SLF06028,SLF07028,SLF0703,SLF07035-Series

Part No.	L( $\mu$ H)	06028		07028		0703		07035	
		RDC( $\Omega$ ) $\pm$ 20%	IDC(A)min	RDC( $\Omega$ ) $\pm$ 20%	IDC(A)min	RDC( $\Omega$ ) $\pm$ 20%	IDC(A)min	RDC( $\Omega$ ) $\pm$ 20%	IDC(A)min
1R0	1.0	0.024	2.10			0.019	2.20	0.033	3.40
1R5	1.5	0.025	2.00						
1R8	1.8	0.026	1.95						
2R2	2.2	0.022	1.90			0.021	2.00	0.034	3.00
2R8	2.8	0.025	1.80						
3R3	3.3			0.036	1.60	0.023	1.90	0.034	2.40
3R5	3.5	0.030	1.70						
3R9	3.9					0.029	1.85	0.035	2.20
4R1	4.1	0.035	1.65						
4R2	4.2					0.034	1.80		
4R7	4.7	0.037	1.60	0.044	1.50	0.035	1.70	0.036	1.88
5R0	5.0			0.048	1.38				
5R6	5.6	0.044	1.55			0.039	1.65	0.037	1.87
6R8	6.8	0.049	1.50	0.058	1.30	0.041	1.60	0.037	1.86
8R2	8.2	0.061	1.35			0.049	1.50	0.039	1.85
100	10	0.068	1.30	0.083	1.10	0.053	1.40	0.040	1.84
120	12	0.081	1.10			0.071	1.20	0.048	1.71
150	15	0.109	1.00	0.129	0.88	0.075	1.10	0.067	1.47
180	18	0.129	0.87			0.099	1.00	0.075	1.31
220	22	0.139	0.77	0.179	0.75	0.110	0.96	0.091	1.23
270	27	0.179	0.71			0.150	0.85	0.124	1.12
330	33	0.209	0.69	0.239	0.65	0.160	0.75	0.141	0.96
390	39	0.239	0.61			0.230	0.70	0.190	0.91
470	47	0.289	0.59	0.339	0.54	0.240	0.67	0.216	0.88
560	56	0.329	0.51	0.419	0.50	0.300	0.60	0.290	0.75
680	68	0.379	0.50			0.310	0.59	0.320	0.69
820	82	0.459	0.43			0.424	0.49	0.358	0.61
101	100	0.609	0.42			0.450	0.45	0.510	0.60
121	120	0.659	0.33			0.620	0.40	0.550	0.52
151	150	0.919	0.30			0.65	0.37	0.730	0.46
181	180	1.049	0.28			1.020	0.30	0.820	0.42
221	220	1.219	0.25			1.050	0.29	0.974	0.36
271	270	1.598	0.22			1.530	0.24	1.370	0.34
331	330	1.789	0.21			1.670	0.22	1.550	0.32
391	390	2.289	0.20			1.990	0.21	2.370	0.29
471	470	2.698	0.18			2.050	0.20	2.510	0.26
561	560	3.198	0.16			3.100	0.17	3.010	0.23
681	680	4.310	0.15			3.15	0.16	3.860	0.22
751	750					4.350	0.150		
821	820	4.698	0.13			4.500	0.14	4.330	0.20
102	1000	5.790	0.12			4.780	0.13	4.990	0.18
122	1200	6.997	0.11						
152	1500	9.196	0.10						
182	1800	11.295	0.09						
222	2200	12.994	0.09						
252	2500	14.890	0.08						
272	2700	15.990	0.075						
332	3300	18.990	0.072						
392	3900	26.480	0.063						
472	4700	29.188	0.060						
562	5600	36.980	0.055						
682	6800	43.480	0.048						
822	8200	48.480	0.045						

SLFxxx-xxxK-E , Code "-E" : Lead free process and RoHS compliant

Inductance tolerance : N $\pm$ 30% M $\pm$ 20% L $\pm$ 15% K $\pm$ 10% J $\pm$ 5% IDC :  $\Delta$  L / L (0A)  $\leq$ 30%Inductance tested : 1.0 $\mu$ H - 8.2 $\mu$ H / 100KHZ / 0.25V 10 $\mu$ H - 8200 $\mu$ H / 1KHZ / 0.25V



## SLF10145, SLF1255, SLF1265, SLF1275-Series

Part No.	L( $\mu$ H)	10145		1255		1265		1275	
		RDC( $\Omega$ ) $\pm$ 20%	IDC(A)min	RDC( $\Omega$ ) $\pm$ 20%	IDC(A)min	RDC( $\Omega$ ) $\pm$ 20%	IDC(A)min	RDC( $\Omega$ ) $\pm$ 20%	IDC(A)min
1R0	1.0	0.012	7.80						
1R2	1.2							0.007	13.00
1R5	1.5	0.014	5.80						
2R0	2.0					0.012	10.00		
2R2	2.2	0.015	5.60						
2R7	2.7							0.009	10.00
3R3	3.3	0.016	5.10						
3R9	3.9	0.018	4.10					0.010	9.00
4R2	4.2					0.015	7.30		
4R7	4.7	0.020	3.70						
5R6	5.6	0.022	3.40					0.012	7.80
6R0	6.0			0.016	3.60				
6R5	6.5	0.025	3.30						
6R8	6.8	0.025	3.20					0.013	7.20
7R0	7.0					0.018	5.70		
8R2	8.2	0.027	3.10						
100	10	0.033	3.00	0.021	3.40	0.020	5.00	0.016	5.50
120	12	0.038	2.50						
150	15	0.047	2.40	0.026	2.80	0.024	4.20	0.018	4.70
180	18	0.052	2.20						
220	22	0.059	2.10	0.034	2.30	0.032	3.50	0.026	4.00
270	27	0.073	1.70						
330	33	0.082	1.60	0.041	1.9	0.041	2.80	0.039	3.20
390	39	0.099	1.50					0.044	3.00
470	47	0.100	1.40	0.062	1.60	0.058	2.40	0.053	2.70
560	56	0.130	1.30	0.076	1.45	0.071	2.20	0.069	2.30
680	68	0.140	1.20	0.083	1.30	0.079	2.00	0.078	2.00
820	82	0.190	1.10						
101	100	0.200	1.00	0.117	1.10	0.123	1.60	0.125	1.90
121	120	0.280	0.80			0.184	1.30		
151	150	0.350	0.79	0.190	0.88	0.273	1.00	0.175	1.60
181	180	0.420	0.69						
221	220	0.470	0.65	0.270	0.72				
271	270	0.620	0.55						
331	330	0.680	0.54	0.410	0.59				
391	390	0.900	0.49						
471	470	1.030	0.47	0.520	0.49				
561	560	1.300	0.40						
681	680	1.600	0.38	0.760	0.43				
751	750								
821	820	1.800	0.33						
102	1000	2.800	0.32	1.120	0.34	1.330	0.50		
122	1200								
152	1500	3.400	0.22	1.730	0.29				
103	10000					14.680	0.11		

## SLFxxxx-xxxK-E , Code "-E" : Lead free process and RoHs compliant

Inductance tolerance : N $\pm$ 30% M $\pm$ 20% L $\pm$ 15% K $\pm$ 10% J $\pm$ 5% IDC :  $\Delta$  L / L (0A)  $\leq$  30%Inductance tested : 1.0 $\mu$ H - 8.2 $\mu$ H / 100KHZ / 0.25V 10 $\mu$ H - 10000 $\mu$ H / 1KHZ / 0.25V