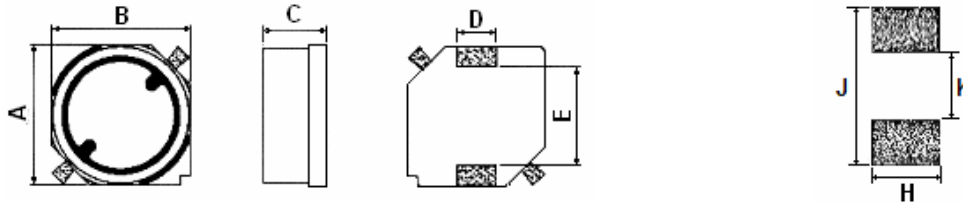


Application Field

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

Features

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

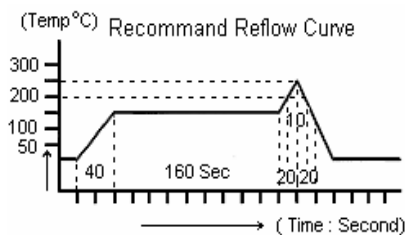


PCB Pattern

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





SLF10145, SLF1255, SLF1265, SLF1275-Series

Part No.	L(μ H)	10145		1255		1265		1275	
		RDC(Ω) \pm 20%	IDC(A)min	RDC(Ω) \pm 20%	IDC(A)min	RDC(Ω) \pm 20%	IDC(A)min	RDC(Ω) \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 : Δ L / L (0A) \leq 30%Inductance tested : 1.0 μ H - 8.2 μ H / 100KHZ / 0.25V 10 μ H - 10000 μ H / 1KHZ / 0.25V