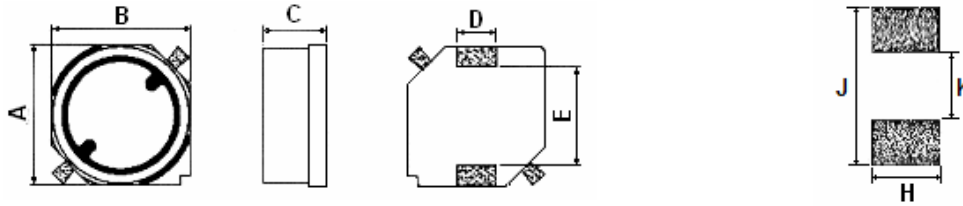


Application Field

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

Features

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

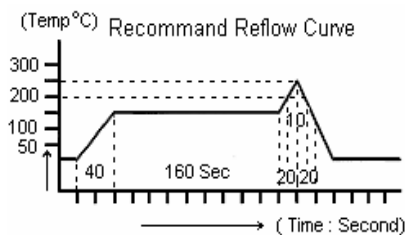


PCB Pattern

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





SLF06028,SLF07028,SLF0703,SLF07035-Series

Part No.	L(μH)	06028		07028		0703		07035	
		RDC(Ω)±20%	IDC(A)min	RDC(Ω)±20%	IDC(A)min	RDC(Ω)±20%	IDC(A)min	RDC(Ω)±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±30% M±20% L±15% K±10% J±5% IDC : Δ L / L (0A) ≤30%

Inductance tested : 1.0μH - 8.2μH / 100KHZ / 0.25V 10μH - 8200μH / 1KHZ / 0.25V

