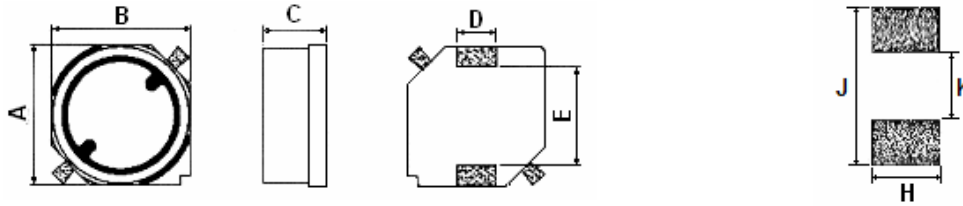


Application Field

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

Features

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

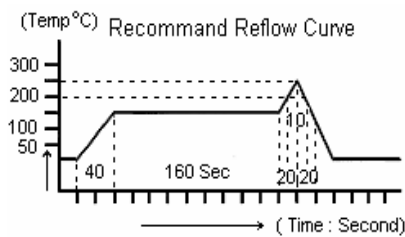


PCB Pattern

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(μ H)	0704		07045		07065		0730	
		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	0.019	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 : Δ L / L (0A) \leq 30%Inductance tested : 1.0 μ H - 6.8 μ H / 100KHZ / 0.25V 10 μ H - 1000 μ H / 1KHZ / 0.25V

RoHS Compliant