



**Features (特长)**

- Magnetically shielded construction  
(闭磁路构造设计)
- Compact and thin (轻便薄小)
- Large Current and Low DCR  
(大电流低直流阻抗)

**Applications (用途)**

- Computers, DC/DC converter, VCR Camera.  
(计算机、直流转换器、摄影机)

**Product Identification (产品识别)**

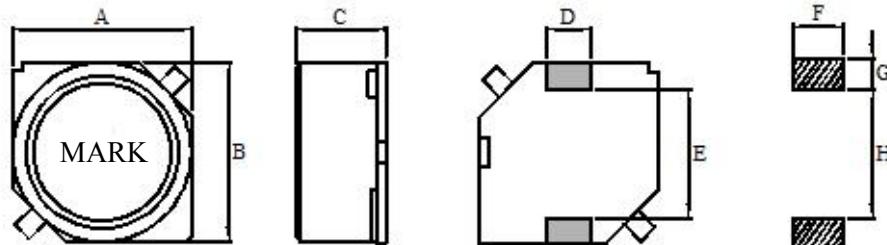
SDLF6028 — \_\_\_\_\_ (Ex. SDLF6028-100M)

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1. SMT Shielded Power Inductors (闭磁式功率电感)  
( SDLF6028/SDLF7028/SDLF7045/SDLF10145/SDLF12555/SDLF12565/SDLF12575)
2. Inductance (电感值)
3. Tolerance (误差值) ( 参照表 K:10%, L:15%, M:20%, N:30% )

**Configurations & Dimensions**

(结构图及规格尺寸)



Unit In: mm

Type(型式)	A (max)	B (max)	C (max)	D ±0.2	E (max)	F	G	H	
SDLF6028	6.2	6.2	3.0	1.8	3.0	2.2	1.8	2.5	
Type(型式)	A ±0.2	B ±0.2	C	D ±0.2	E (Typ.)	F	G	H	
SDLF7028	7.0	7.0	2.8±0.2	2.0	4.5	2.2	1.5	4.9	
SDLF7045	7.0	7.0	4.5±0.3	2.0	4.5	2.2	1.5	4.9	
Type(型式)	A ±0.3	B ±0.3	C ±0.3	D ±0.1	E ±0.15	F ±0.2	G	H	I
SDLF10145	10.1	10.1	4.5	3.0	2.0	6.0	3.2	2.5	5.6
SDLF12555	12.5	12.5	5.5	3.0	2.0	8.3	3.2	2.5	8.0
SDLF12565	12.5	12.5	6.5	3.0	2.0	8.3	3.2	2.5	8.0

SDLF12575	12.5	12.5	7.5	3.0	2.0	8.3	3.2	2.5
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♣Design as Customer' s Requested Specifications. (可依客户特殊需求设计)

Specifications For Each Series Of Electroniccharacteristics [各系列电子特性规格]

SDLF6028/SDLF7028/SDLF7045/SDLF10145/SDLF12555/SDLF12565/SDLF12575

Codes	L (uH)	Tolerance	Test Freq. (KHz)	DCR (Ω) max							IDC (A) max						
				6028	7028	7045	10145	12555	12565	12575	6028	7028	7045	10145	12555	12565	12575
1R2	1.2	N	100	-	-	-	-	-	-	0.0050	-	-	-	-	-	-	13.0
2R0	2.0	N	100	-	-	-	-	-	0.0117	-	-	-	-	-	-	10.0	-
2R7	2.7	N	100	-	-	-	-	-	-	0.0094	-	-	-	-	-	-	10.0
3R3	3.3	N	100	-	0.037	0.020	-	-	-	-	-	1.60	2.50	-	-	-	-
3R9	3.9	N	100	-	-	-	-	-	-	0.0104	-	-	-	-	-	-	9.00
4R2	4.2	N	100	-	-	-	-	-	0.0150	-	-	-	-	-	-	7.30	-
4R7	4.7	N	100	-	0.045	0.030	-	-	-	-	-	1.50	2.00	-	-	-	-
5R6	5.6	N	100	-	-	-	-	-	-	0.0116	-	-	-	-	-	-	7.80
6R0	6.0	N	100	-	-	-	-	0.0164	-	-	-	-	-	-	3.60	-	-
6R8	6.8	N	100	-	0.059	0.039	-	-	-	0.0131	-	1.30	1.70	-	-	-	7.20
7R0	7.0	N	100	-	-	-	-	-	0.0177	-	-	-	-	-	-	5.70	-
100	10	M	100	0.15	0.083	0.036	0.0364	0.0215	0.0202	0.0156	1.10	1.10	1.30	3.00	3.40	5.00	5.50
120	12	M	100	0.20	-	-	-	-	-	-	1.00	-	-	-	-	-	-
150	15	M	100	0.23	0.13	0.052	0.0472	0.0259	0.0237	0.0184	0.90	0.88	1.10	2.40	2.80	4.20	4.70
180	18	M	100	0.27	-	-	-	-	-	-	0.80	-	-	-	-	-	-
220	22	M	100	0.34	0.18	0.061	0.0591	0.0338	0.0316	0.0263	0.74	0.75	0.90	2.10	2.30	3.50	4.00
270	27	M	100	0.38	-	-	-	-	-	-	0.66	-	-	-	-	-	-
330	33	M	100	0.45	0.24	0.096	0.0815	0.0415	0.0406	0.0395	0.59	0.65	0.82	1.60	1.90	2.80	3.20
390	39	M	100	0.49	-	-	-	-	-	-	0.54	-	-	-	-	-	-
470	47	M	100	0.69	0.34	0.125	0.100	0.0618	0.0578	0.0528	0.50	0.54	0.75	1.40	1.60	2.40	2.70
560	56	M	100	0.78	-	-	-	-	-	-	0.46	-	-	-	-	-	-
680	68	M	100	1.07	-	0.175	0.140	0.0832	0.0787	0.0778	0.42	-	0.60	1.20	1.30	2.00	2.00
820	82	M	100	1.21	-	-	-	-	-	-	0.38	-	-	-	-	-	-
101	100	M	100	1.39	-	0.250	0.200	0.117	0.123	0.125	0.34	-	0.50	1.00	1.10	1.60	1.90
121	120	M	100	1.90	-	-	-	-	-	-	0.31	-	-	-	-	-	-
151	150	M	100	2.18	-	0.340	0.350	0.190	-	0.175	0.28	-	0.40	0.79	0.88	-	1.50
181	180	M	100	2.77	-	-	-	-	-	-	0.26	-	-	-	-	-	-
221	220	M	100	3.12	-	0.520	0.470	0.270	0.273	0.258	0.23	-	0.33	0.65	0.72	1.00	1.30
271	270	M	100	4.38	-	-	-	-	-	-	0.22	-	-	-	-	-	-
331	330	M	100	4.94	-	0.740	0.680	0.410	-	-	0.19	-	0.25	0.54	0.59	-	-
471	470	M	100	-	-	1.050	1.030	0.520	-	-	-	-	0.22	0.47	0.49	-	-
681	680	M	100	-	-	1.480	1.600	0.760	-	-	-	-	0.20	0.38	0.43	-	-
102	1000	M	100	-	-	2.280	2.800	1.120	-	-	-	-	0.14	0.32	0.34	-	-
152	1500	M	100	-	-	-	3.400	1.730	-	-	-	-	-	0.22	0.29	-	-

※Test Freq. : 1KHz / 0.25V (SDLF6028/SDLF10145/SDLF12555/SDLF12565/SDLF12575)



100KHz / 0.5V (SDLF7028/SDLF7045)

※Operating Temp. :  $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$

※Inductance drop=10% typ. at IDC.