

◆ SMD Power Inductors SLF Series



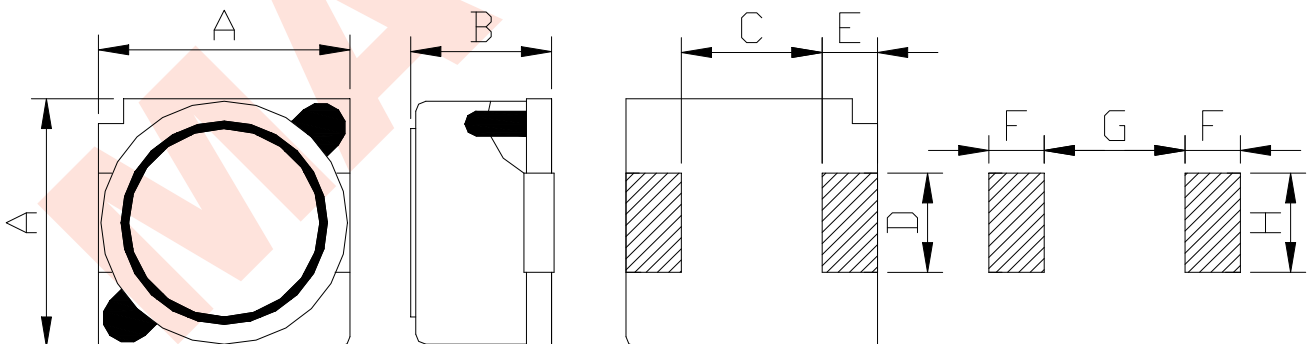
PRODUCT IDENTIFICATION

SLF 7055 L Z - 100 M

a b c d e f

- a: Series name
- b: Product dimensions (a x c)
- c: Sealing way (L: Cold seal Y: Heat seal)
- d: Lettering direction ▶
- e: Inductance Value
(1R0:1.0uH; 100: 10uH; 101:100uH)
- f: Inductance Tolerance (K:10% ; M:20% ; N:30%)

SHAPES AND DIMENSIONS



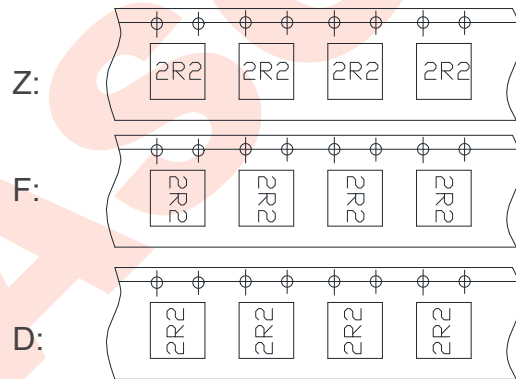
FEATURES

- ◆ Low DC resistance and for large current.
- ◆ Closed magnetic circuit crosstalk.
- ◆ Excellent solderability and heat resistance.
- ◆ Available for automatic mounting in tape and reel package.

APPLICATIONS

- ◆ Ideally used in Power supply for VTR, OA equipment, Digital camera, LCD television set notebook PC, etc as DC-DC Converter.

▶ Lettering direction



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SHAPES AND DIMENSIONS

Series	Dimensions(mm)							
	A	B Max .	C	D	E	F Ref.	G Ref.	H Ref.
SLF6028	6.0±0.3	3.10	4.0±0.2	2.0±0.2	0.9	1.5	4.0	2.2
SLF6045	6.0±0.3	4.80	4.0±0.2	2.0±0.2	0.9	1.5	4.0	2.2
SLF7032	7.0±0.3	3.50	4.9±0.2	2.0±0.2	0.9	1.5	4.9	2.2
SLF7045	7.0±0.3	4.80	4.9±0.2	2.0±0.2	0.9	1.5	4.9	2.2
SLF7055	7.0±0.3	5.80	4.9±0.2	2.0±0.2	0.9	1.5	4.9	2.2
SLF10145	10.1±0.3	4.80	6.0±0.2	3.0±0.2	2.0	2.5	5.6	3.2
SLF12555	12.5±0.3	5.80	8.0±0.2	3.0±0.2	2.0	2.5	8.6	3.2
SLF12565	12.5±0.3	6.90	8.0±0.2	3.0±0.2	2.0	2.5	8.6	3.2
SLF12575	12.5±0.3	7.90	8.0±0.2	3.0±0.2	2.0	2.5	8.6	3.2

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
SLF6028LZ-4R7N	4.7	100	0.034	1.60
SLF6028LZ-6R8N	6.8	100	0.043	1.50
SLF6028LZ-100M	10	100	0.064	1.30
SLF6028LZ-150M	15	100	0.090	1.00
SLF6028LZ-220M	22	100	0.125	0.77
SLF6028LZ-330M	33	100	0.178	0.69
SLF6028LZ-470M	47	100	0.252	0.59
SLF6028LZ-680M	68	100	0.348	0.50
SLF6028LZ-101M	100	100	0.516	0.42
SLF6028LZ-151M	150	100	0.780	0.34
SLF6028LZ-221M	220	100	1.176	0.26

Note:

Rated current: The DC current at which the inductance decreases to 70 % of its initial value or when $\Delta t=40^{\circ}\text{C}$, whichever is lower($T_a=25^{\circ}\text{C}$)

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ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
SLF6045LZ-1R0N	1.0	100	0.023	2.70
SLF6045LZ-1R5N	1.5	100	0.026	2.30
SLF6045LZ-2R2N	2.2	100	0.028	1.90
SLF6045LZ-3R3N	3.3	100	0.035	1.80
SLF6045LZ-4R7N	4.7	100	0.040	1.40
SLF6045LZ-6R8N	6.8	100	0.045	1.20
SLF6045LZ-100M	10	100	0.060	1.00
SLF6045LZ-150M	15	100	0.070	0.80
SLF6045LZ-220M	22	100	0.110	0.65
SLF6045LZ-330M	33	100	0.165	0.55
SLF6045LZ-470M	47	100	0.210	0.45
SLF6045LZ-680M	68	100	0.285	0.37
SLF6045LZ-101M	100	100	0.420	0.30
SLF6045LZ-151M	150	100	0.630	0.25
SLF6045LZ-181M	180	100	0.720	0.22
SLF6045LZ-221M	220	100	0.820	0.20
SLF6045LZ-271M	270	100	1.100	0.18
SLF6045LZ-331M	330	100	1.200	0.17
SLF6045LZ-391M	390	100	1.700	0.16
SLF6045LZ-471M	470	100	1.900	0.14
SLF6045LZ-561M	560	100	2.150	0.13
SLF6045LZ-681M	680	100	3.300	0.12
SLF6045LZ-821M	820	100	3.650	0.11

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ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
SLF7032LZ-3R3N	3.3	100	0.028	1.90
SLF7032LZ-4R7N	4.7	100	0.044	1.70
SLF7032LZ-6R8N	6.8	100	0.050	1.60
SLF7032LZ-100M	10	100	0.064	1.40
SLF7032LZ-150M	15	100	0.090	1.10
SLF7032LZ-220M	22	100	0.132	0.96
SLF7032LZ-330M	33	100	0.192	0.75
SLF032LZ-470M	47	100	0.288	0.67
SLF7032LZ-680M	68	100	0.372	0.59
SLF7032LZ-101M	100	100	0.540	0.45
SLF7032LZ-151M	150	100	0.780	0.37
SLF7032LZ-221M	220	100	1.260	0.29
SLF7032LZ-331M	330	100	2.000	0.22
SLF7032LZ-471M	470	100	2.460	0.20
SLF7032LZ-681M	680	100	3.780	0.16
SLF032LZ-102M	1000	100	5.730	0.13

Part Number	L (μ H)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
SLF7045LZ-3R3N	3.3	100	0.024	2.50
SLF7045LZ-4R7N	4.7	100	0.036	2.00
SLF7045LZ-6R8N	6.8	100	0.047	1.70
SLF7045LZ-100M	10	100	0.056	1.30
SLF7045LZ-150M	15	100	0.063	1.10
SLF7045LZ-220M	22	100	0.074	0.90
SLF7045LZ-330M	33	100	0.116	0.82
SLF7045LZ-470M	47	100	0.150	0.75
SLF7045LZ-680M	68	100	0.210	0.60
SLF7045LZ-101M	100	100	0.300	0.50
SLF7045LZ-151M	150	100	0.408	0.40
SLF7045LZ-221M	220	100	0.624	0.33
SLF7045LZ-331M	330	100	0.888	0.25
SLF7045LZ-471M	470	100	1.260	0.22
SLF7045LZ-681M	680	100	1.776	0.20
SLF7045LZ-102M	1000	100	2.736	0.14

Note:

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ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
SLF7055LZ-1R5N	1.5	100	0.023	6.20
SLF7055LZ-2R2N	2.2	100	0.029	5.30
SLF7055LZ-3R3N	3.3	100	0.032	4.30
SLF7055LZ-3R9N	3.9	100	0.034	4.00
SLF7055LZ-4R7N	4.7	100	0.037	3.60
SLF7055LZ-6R8N	6.8	100	0.045	3.00
SLF7055LZ-100M	10	100	0.051	2.60
SLF7055LZ-150M	15	100	0.067	2.10
SLF7055LZ-180M	18	100	0.074	1.90
SLF7055LZ-220M	22	100	0.084	1.70
SLF7055LZ-330M	33	100	0.114	1.40
SLF7055LZ-470M	47	100	0.169	1.20
SLF7055LZ-680M	68	100	0.260	0.90
SLF7055LZ-101M	100	100	0.381	0.80

Part Number	L (μ H)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
SLF10145-3R3N	3.3	1.00	0.020	4.90
SLF10145-5R6N	5.6	1.00	0.027	3.80
SLF10145-100M	10	1.00	0.044	3.00
SLF10145-150M	15	1.00	0.057	2.40
SLF10145-220M	22	1.00	0.071	2.10
SLF10145-330M	33	1.00	0.099	1.60
SLF10145-470M	47	1.00	0.120	1.40
SLF10145-680M	68	1.00	0.168	1.20
SLF10145-101M	100	1.00	0.240	1.00
SLF10145-151M	150	1.00	0.420	0.79
SLF10145-221M	220	1.00	0.564	0.65
SLF10145-331M	330	1.00	0.816	0.54
SLF10145-471M	470	1.00	1.236	0.47
SLF10145-681M	680	1.00	1.920	0.38
SLF10145-102M	1000	1.00	3.360	0.32
SLF10145-152M	1500	1.00	4.080	0.22

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ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
SLF12555LZ-6R0N	6.0	1.00	0.020	3.60
SLF12555LZ-100M	10	1.00	0.026	3.40
SLF12555LZ-150M	15	1.00	0.032	2.80
SLF12555LZ-220M	22	1.00	0.041	2.30
SLF12555LZ-330M	33	1.00	0.050	1.90
SLF12555LZ-470M	47	1.00	0.075	1.60
SLF12555LZ-680M	68	1.00	0.100	1.30
SLF12555LZ-101M	100	1.00	0.141	1.10
SLF12555LZ-151M	150	1.00	0.228	0.88
SLF12555LZ-221M	220	1.00	0.324	0.72
SLF12555LZ-331M	330	1.00	0.492	0.59
SLF12555LZ-471M	470	1.00	0.624	0.49
SRH12555LZ-681M	680	1.00	0.912	0.43

Specifications subject to change without notice.

Part Number	L (μ H)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
SLF12565LZ-2R0N	2.0	1.00	0.015	10.00
SLF12565LZ-100M	10	1.00	0.025	5.00
SLF12565LZ-150M	15	1.00	0.029	4.20
SLF12565LZ-220M	22	1.00	0.038	3.50
SLF12565LZ-330M	33	1.00	0.049	2.80
SLF12565LZ-470M	47	1.00	0.070	2.40
SLF12565LZ-680M	68	1.00	0.095	2.00
SLF12565LZ-101M	100	1.00	0.148	1.60

Part Number	L (μ H)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
SLF12575LZ-1R2N	1.2	1.00	0.009	13.00
SLF12575LZ-2R7N	2.7	1.00	0.012	10.00
SLF12575LZ-6R8N	6.8	1.00	0.016	7.20
SLF12575LZ-100M	10	1.00	0.019	5.50
SLF12575LZ-220M	22	1.00	0.032	4.00
SLF12575LZ-330M	33	1.00	0.048	3.20
SLF12575LZ-470M	47	1.00	0.064	2.70
SLF12575LZ-680M	68	1.00	0.094	2.00
SLF12575LZ-101M	100	1.00	0.150	1.90
SLF12575LZ-221M	220	1.00	0.310	1.30

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