

SINLOON®

閉磁式功率電感

Inductance Range: 2.2μH ~ 47μH

Type:

SLF-10145/12555/12565/12575

SMT Shielded Power Inductors

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Part No.	Inductance Range:
SLF10145	10μH ~ 1500μH
SLF12555	6.0μH ~ 1500μH
SLF12565	2.0μH ~ 220μH
SLF12575	1.2μH ~ 220μH

□ **Feature**

- ◆ Magnetically shielded construction (閉磁路構造設計)
- ◆ Compact and thin (輕便薄小)
- ◆ Large Current and Low DCR (大電流低直流阻抗)

□ **Applications**

- ◆ DC-DC converter of portable equipment. (攜帶機器之直流轉換器)
- ◆ Camcorder, LCD television set, Digital camera, P.D.A., Notebook. (攝影機、液晶電視、數位相機、P.D.A.、筆記型電腦)
- ◆ Large Current and Low DCR (大電流低值阻抗)

□ **Figure**



□ **Ordering**

Product Identification of Part Number

Type: Ex. SLF10145-100M

* See Product Part of Number

Tolerance:

K ±10%; L ±15%; M ±20%; N ±30%

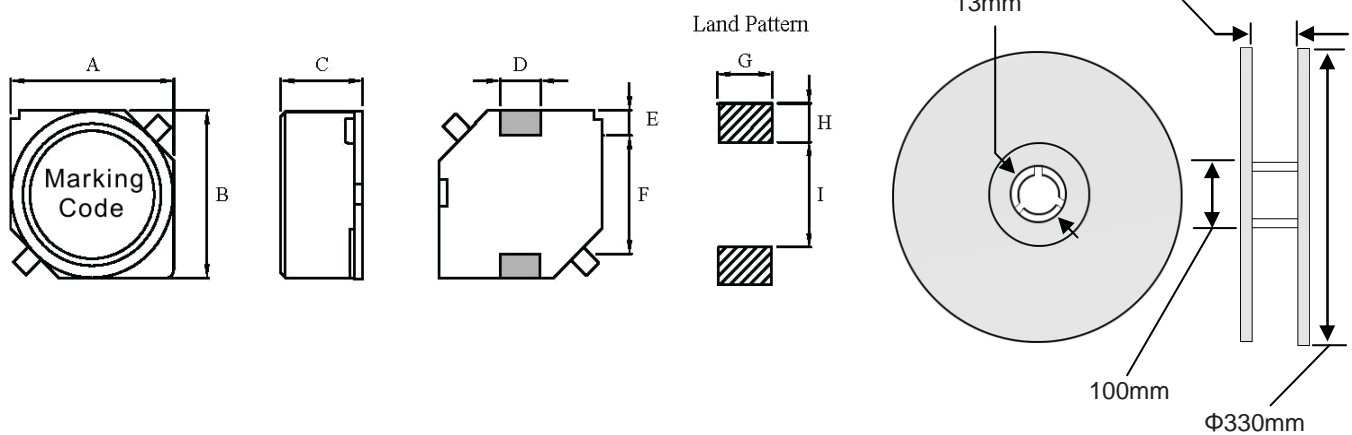
□ **Configurations & Dimension**

Unit:mm

TYPE	A	B	C	D	E	F	G	H	I	Packing Φ330
SLF10145	10.1±0.3	10.1±0.3	4.5±0.3	3.0±0.1	2.0±0.15	6.0±0.2	3.2	2.65	5.6	500 pcs
SLF12555	12.5±0.3	12.5±0.3	5.5±0.3	3.0±0.1	2.0±0.15	8.3±0.2	3.2	2.65	8.0	500 pcs
SLF12565	12.5±0.3	12.5±0.3	6.5±0.3	3.0±0.1	2.0±0.15	8.3±0.2	3.2	2.65	8.0	500 pcs
SLF12575	12.5±0.3	12.5±0.3	7.5±0.3	3.0±0.1	2.0±0.15	8.3±0.2	3.2	2.65	8.0	500 pcs

※Design as Customers Requested Specifications (可依特殊需求設計生產)

□ **Reel Type Dimension**



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□ Electrical Characteristics for SLF10145 Series

產品規格型號 Ordering Part Number	電感值(L) Inductance (μH)	測試頻率 Test Freq. (Hz)	直流阻抗 DCR (Ω) (±20%)	定格電流 IDC (A) (max)	字碼 Marking Code
SLF10145-100M	10.0	1000	0.0364	3.00	100
SLF10145-150M	15.0	1000	0.0472	2.40	150
SLF10145-220M	22.0	1000	0.0591	2.10	220
SLF10145-330M	33.0	1000	0.0815	1.60	330
SLF10145-470M	47.0	1000	0.1000	1.40	470
SLF10145-680M	68.0	1000	0.1400	1.20	680
SLF10145-101M	100.0	1000	0.2000	1.00	101
SLF10145-151M	150.0	1000	0.3500	0.79	151
SLF10145-221M	220.0	1000	0.4700	0.65	221
SLF10145-331M	330.0	1000	0.6800	0.54	331
SLF10145-471M	470.0	1000	1.0300	0.47	471
SLF10145-681M	680.0	1000	1.6000	0.38	681
SLF10145-102M	1000.0	1000	2.8000	0.32	102
SLF10145-152M	1500.0	1000	3.4000	0.22	152

※ Test Frequency: 1KHz / 0.25V

※ Operating Temperature: -40°C ~ +85°C

※ Inductance drop : 10% typ at IDC



□ Electrical Characteristics for SLF12555 Series

產品規格型號 Ordering Part Number	電感值(L) Inductance (μH)	測試頻率 Test Freq. (Hz)	直流阻抗 DCR (Ω) (max)	定格電流 IDC (A) (max)	字碼 Marking Code
SLF12555-6R0N	6.0	1000	0.0164	3.600	6R0
SLF12555-100M	10	1000	0.0215	3.400	100
SLF12555-150M	15	1000	0.0259	2.800	150
SLF12555-220M	22	1000	0.0338	2.300	220
SLF12555-330M	33	1000	0.0415	1.900	330
SLF12555-470M	47	1000	0.0618	1.600	470
SLF12555-680M	68	1000	0.0832	1.300	680
SLF12555-101M	100	1000	0.1170	1.100	101
SLF12555-151M	150	1000	0.1900	0.880	151
SLF12555-221M	220	1000	0.2700	0.720	221
SLF12555-331M	330	1000	0.4100	0.590	331
SLF12555-471M	470	1000	0.5200	0.490	471
SLF12555-681M	680	1000	0.7600	0.430	681
SLF12555-102M	1000	1000	1.1200	0.340	102
SLF12555-152M	1500	1000	1.7300	0.290	152

※ Test Frequency: 1KHz / 0.25V

※ Operating Temperature: -40°C ~ +85°C

※ Inductance drop : 20% typ at IDC.

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Type:

SLF-10145/12555/12565/12575

Inductance Range: 2.2μH ~ 47μH

SMT Shielded Power Inductors

□ Electrical Characteristics for SLF12565 Series

產品規格型號 Ordering Part Number	電感值(L) Inductance (μH)	測試頻率 Test Freq. (Hz)	直流阻抗 DCR (Ω) (±20%)	定格電流 IDC (A) (max)	字碼 Marking Code
SLF12565-2R0N	2.0	1000	0.0117	10.00	2R0
SLF12565-4R2N	4.2	1000	0.0150	7.30	4R2
SLF12565-7R0N	7.0	1000	0.0177	5.70	7R0
SLF12565-100M	10	1000	0.0202	5.00	100
SLF12565-150M	15	1000	0.0237	4.20	150
SLF12565-220M	22	1000	0.0316	3.50	220
SLF12565-330M	33	1000	0.0406	2.80	330
SLF12565-470M	47	1000	0.0578	2.40	470
SLF12565-680M	68	1000	0.0787	2.00	680
SLF12565-101M	100	1000	0.1230	1.60	101
SLF12565-221M	220	1000	0.2730	1.00	221



※ Test Frequency: 1KHz / 0.25V

※ Operating Temperature: -40°C ~ +85°C

※ Inductance drop : 10% typ at IDC

□ Electrical Characteristics for SLF12575 Series

產品規格型號 Ordering Part Number	電感值(L) Inductance (μH)	測試頻率 Test Freq. (Hz)	直流阻抗 DCR (Ω) (max)	定格電流 IDC (A) (max)	字碼 Marking Code
SLF12575-1R2N	1.2	1000	0.0050	13.00	1R2
SLF12575-2R7N	2.7	1000	0.0094	10.00	2R7
SLF12575-3R9N	3.9	1000	0.0104	9.00	3R9
SLF12575-5R6N	5.6	1000	0.0116	7.80	5R6
SLF12575-6R8N	6.8	1000	0.0131	7.20	6R8+
SLF12575-100M	10	1000	0.0156	5.50	100
SLF12575-150M	15	1000	0.0184	4.70	150
SLF12575-220M	22	1000	0.0263	4.00	220
SLF12575-330M	33	1000	0.0395	3.20	330
SLF12575-470M	47	1000	0.0528	2.70	470
SLF12575-680M	68	1000	0.0778	2.00	680
SLF12575-101M	100	1000	0.1250	1.90	101
SLF12575-151M	150	1000	0.1750	1.50	151
SLF12575-221M	220	1000	0.2580	1.30	221

※ Test Frequency: 1KHz / 0.25V

※ Operating Temperature: -40°C ~ +85°C

※ Inductance drop : 10% typ at IDC.

※ Design as Customers Requested Specifications (可依特殊需求設計生產)

SINLOON®

※美隆公司產品規格及其特性參數的改變或更新恕不另行通知。

※Mayloon characteristic parameters of electronic product specification changes or updates without notice to improve

