

SINLOON®

閉磁式功率電感

Inductance Range: 3.3μH ~ 1000μH

Type:

SLF7028A/SLF7045A Series

SMT Shielded Power Inductors

SMT Shielded Power Inductors

Part No. Inductance Range:

SLF7028A 3.3μH ~ 47μH

SLF7045A 3.3μH ~ 1000μH

□ **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)

□ **Configurations & Dimension**

TYPE	A (max)	B (max)	C (max)	D (max)	E (Typ)	F	G	H	W	Packing Quantity
SLF7028A	7.0±0.2	7.0±0.2	2.8±0.2	2.0±0.2	4.5	2.2	1.5	4.9	16.5mm	1000pcs
SLF7045A	7.0±0.2	7.0±0.2	4.5±0.3	2.0±0.2	4.5	2.2	1.5	4.9	16.5mm	1000pcs

Unit:mm

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

□ **Figure**



□ **Ordering**

Product Identification of Part Number

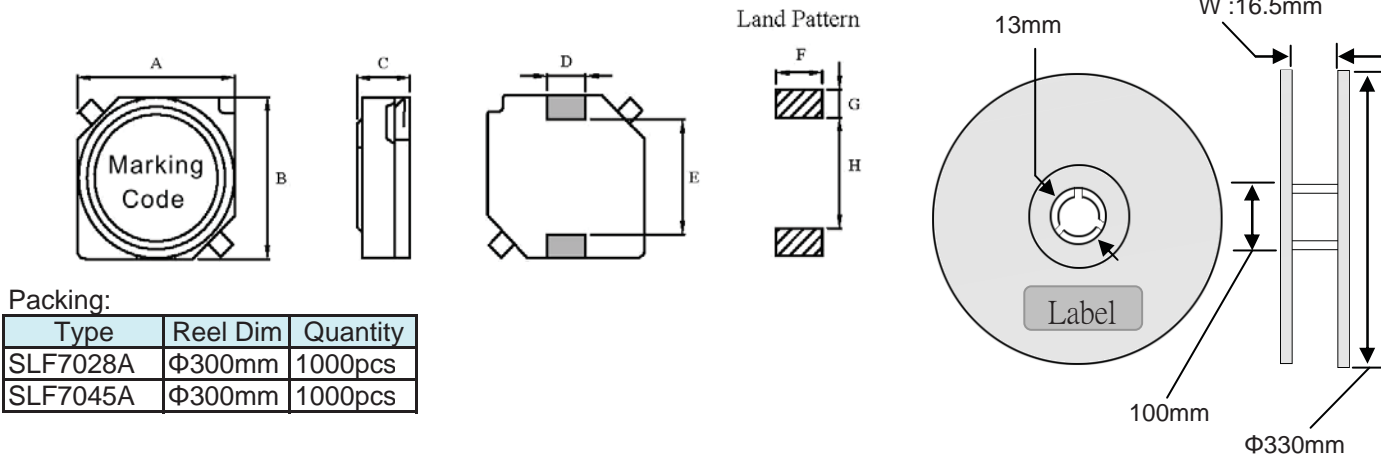
Type: Ex. SLF7028A-3R3M

* See Product Part of Number

Tolerance:

K ±10%; L ±15%; M ±20%; N ±30%

□ **Reel Type Dimension**



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※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。

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□ Electrical Characteristics for SLF7028F Series

產品規格型號 Ordering Part Number	電感值(L) Inductance (μ H)	測試頻率 Test Freq. (KHz)	直流阻抗 DCR (Ω) (\pm 20%)	定格電流 IDC (A) (max)	字碼 Marking Code
SLF7028A-3R3M	3.3	100	0.037	1.60	3R3
SLF7028A-4R7M	4.7	100	0.045	1.50	4R7
SLF7028A-6R8M	6.8	100	0.059	1.30	6R8
SLF7028A-100M	10.0	100	0.083	1.10	100
SLF7028A-150M	15.0	100	0.130	0.88	150
SLF7028A-220M	22.0	100	0.180	0.75	220
SLF7028A-330M	33.0	100	0.240	0.65	330
SLF7028A-470M	47.0	100	0.340	0.54	470



- ※ Test Frequency: 100KHz / 0.5V
- ※ Operating Temperature: -40 $^{\circ}$ C ~ +85 $^{\circ}$ C
- ※ Inductance drop : 10% typ at IDC.
- ※ Δ T : 40 $^{\circ}$ C rise at IDC

□ Electrical Characteristics for SLF7045F Series

產品規格型號 Ordering Part Number	電感值(L) Inductance (μ H)	測試頻率 Test Freq. (KHz)	直流阻抗 DCR (Ω) (\pm 20%)	定格電流 Isat (A) (max)	溫升電流 Irms(A) (max)	字碼 Marking Code
SLF7045F-3R3M	3.3	100	0.0200	2.50	2.30	3R3
SLF7045F-4R7M	4.7	100	0.0300	2.00	2.10	4R7
SLF7045F-6R8M	6.8	100	0.0390	1.70	1.74	6R8
SLF7045F-100M	10	100	0.3600	1.30	1.78	100
SLF7045F-150M	15	100	0.0520	1.10	1.53	150
SLF7045F-220M	22	100	0.0610	0.90	1.34	220
SLF7045F-330M	33	100	0.0960	0.82	1.09	330
SLF7045F-470M	47	100	0.1250	0.75	0.92	470
SLF7045F-680M	68	100	0.1750	0.60	0.77	680
SLF7045F-101M	100	100	0.2500	0.50	0.65	101
SLF7045F-151M	150	100	0.3400	0.40	0.55	151
SLF7045F-221M	220	100	0.5200	0.33	0.45	221
SLF7045F-331M	330	100	0.7400	0.25	0.37	331
SLF7045F-471M	470	100	1.0500	0.22	0.31	471
SLF7045F-681M	680	100	1.4800	0.20	0.27	681
SLF7045F-102M	1000	100	2.2800	0.14	0.25	102

- ※ Test Frequency: 100KHz / 0.1V
- ※ Operating Temperature: -40 $^{\circ}$ C ~ +85 $^{\circ}$ C
- ※ Inductance drop : 20% typ at IDC
- ※ Δ T : 40 $^{\circ}$ C rise at Irms (at 25 $^{\circ}$ C)
- ※ Design as Customers Requested Specifications (可依特殊需求設計生產)

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