

SINLOON®

閉磁式功率電感

Inductance Range: 2.2μH ~ 47μH

Type: D7011C/D7014C/D7026C/D1014C

SMT Shielded Power Inductors

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Part No.	Inductance Range:
D7011C	4.7μH ~ 22μH
D7014C	3.3μH ~ 22μH
D7026C	2.2μH ~ 68μH
D1014C	2.2μH ~ 47μH

□ **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. D7011C-3R3N

* See Product Part of Number

Tolerance:

K ±10%; L ±15%; M ±20%; N ±30%

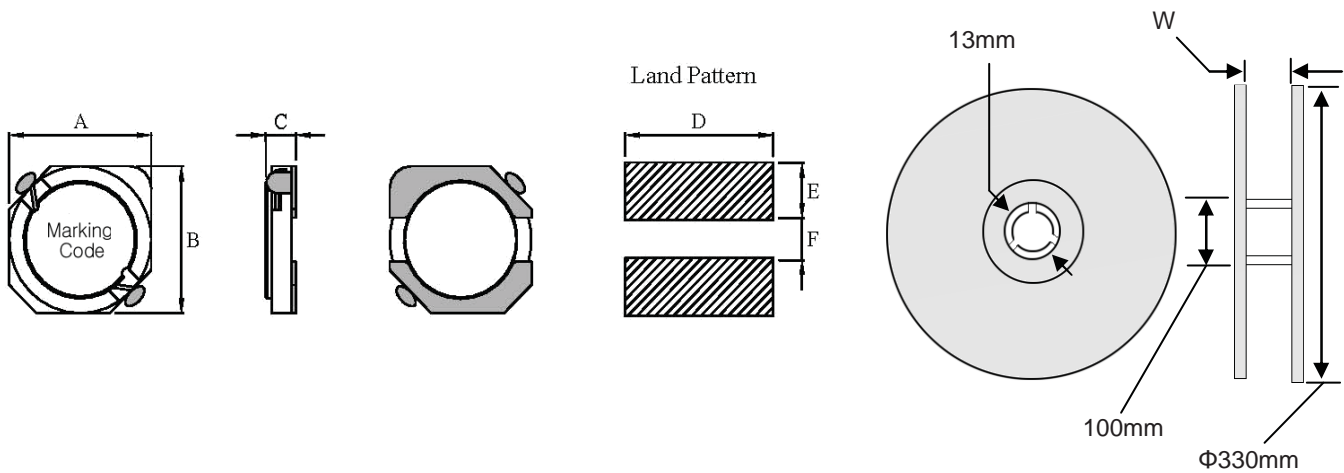
□ **Configurations & Dimension**

Unit:mm

TYPE	A (max)	B (max)	C (max)	D	E	F	W	Reel Tape Package	
								Dim	Quantity
D7011C	7.3	7.3	1.2	7.3	2.8	2.0	16.5	Φ330	3000pcs
D7014C	7.3	7.3	1.5	7.3	2.8	2.0	16.5	Φ330	2500pcs
D7026C	7.3	7.3	2.8	7.3	2.8	2.0	16.5	Φ330	1500pcs
D1014C	10.3	10.3	1.5	10.4	3.9	3.0	24.5	Φ330	2000pcs

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

□ **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。

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



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Type: D7011C/D7014C/D7026C/D1014C

Inductance Range: 2.2μH ~ 47μH

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□ Electrical Characteristics for D7011C Series

產品規格型號 Ordering Part Number	電感值(L) Inductance (μH)	測試頻率 Test Freq. (KHz)	直流阻抗 DCR (Ω) (max)	定格電流 Isat (A) (max)	溫升電流 Irms(A) (max)	字碼 Marking Code
D7011C-4R7N	4.70	100	0.106	1.60	1.70	4R7
D7011C-6R8N	6.80	100	0.150	1.30	1.55	6R8
D7011C-100M	10.00	100	0.200	1.05	1.40	100
D7011C-150M	15.00	100	0.300	0.85	1.20	150
D7011C-220M	22.0	100	0.460	0.70	1.00	220

- ※ Test Frequency: 100KHz / 0.1V
- ※ Operating Temperature: -40°C ~ +85°C
- ※ Inductance drop : 35% typ at Isat.
- ※ ΔT : 40°C rise at Irms.

□ Electrical Characteristics for D7014C Series

產品規格型號 Ordering Part Number	電感值(L) Inductance (μH)	測試頻率 Test Freq. (KHz)	直流阻抗 DCR (Ω) (max)	定格電流 IDC (A) (max)	字碼 Marking Code
D7014C-3R3N	3.3	100	0.0700	2.10	3R3
D7014C-4R7N	4.7	100	0.0900	1.70	4R7
D7014C-6R8N	6.8	100	0.1200	1.50	6R8
D7014C-100M	10.0	100	0.1800	1.30	100
D7014C-150M	15.0	100	0.2400	1.10	150
D7014C-220M	22.0	100	0.3600	0.90	220

- ※ Test Frequency: 100KHz / 0.1V
- ※ Operating Temperature: -40°C ~ +85°C
- ※ Inductance drop : 20% typ at IDC



□ Electrical Characteristics for D7026C Series

產品規格型號 Ordering Part Number	電感值(L) Inductance (μH)	測試頻率 Test Freq. (KHz)	直流阻抗 DCR (Ω) (max)	定格電流 IDC (A) (max)	字碼
					Marking Code
D7026C-2R2N	2.2	100	0.020	4.000	2R2
D7026C-2R7N	2.7	100	0.030	3.600	2R7
D7026C-3R3N	3.3	100	0.035	3.200	3R3
D7026C-4R7N	4.7	100	0.040	2.600	4R7
D7026C-6R8N	6.8	100	0.055	2.200	6R8
D7026C-100M	10	100	0.065	1.800	100
D7026C-220M	22	100	0.160	1.200	220
D7026C-470M	47	100	0.340	0.900	470
D7026C-680M	68	100	0.450	0.800	680

- ※ Test Frequency: 100KHz / 0.1V
- ※ Operating Temperature: -40°C ~ +85°C
- ※ Inductance drop : 20% typ at IDC.

□ Electrical Characteristics for D1014C Series

產品規格型號 Ordering Part Number	電感值(L) Inductance (μH)	測試頻率 Test Freq. (KHz)	直流阻抗 DCR (Ω) (max)	定格電流 IDC (A) (max)	字碼
					Marking Code
D1014C-2R2N	2.2	100	0.045	3.500	2R2
D1014C-3R3N	3.3	100	0.060	3.200	3R3
D1014C-4R7N	4.7	100	0.070	2.800	4R7
D1014C-5R6N	5.6	100	0.085	2.000	5R6
D1014C-100M	10	100	0.150	1.700	100.00
D1014C-120M	12	100	0.180	1.650	120
D1014C-150M	15	100	0.250	1.600	150
D1014C-220M	22	100	0.320	1.300	220
D1014C-470M	47	100	0.600	0.850	470

- ※ Test Frequency: 100KHz / 0.1V
- ※ Operating Temperature: -40°C ~ +85°C
- ※ Inductance drop : 20% typ at IDC.

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