

**SINLOON®**

閉磁式功率電感  
Inductance Range: 3.3μH ~ 47μH

TYPE: D4009C/D4011C/D4014D Series  
SMT Shielded Power Inductors

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D4009C	Inductance Range	4.7μH ~ 22μH
D4011C	Inductance Range	3.3μH ~ 33μH
D4014C	Inductance Range	4.7μH ~ 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)
- ◆ Small DC/DC Converter (小型直流轉換器)

□ Figure



□ Ordering

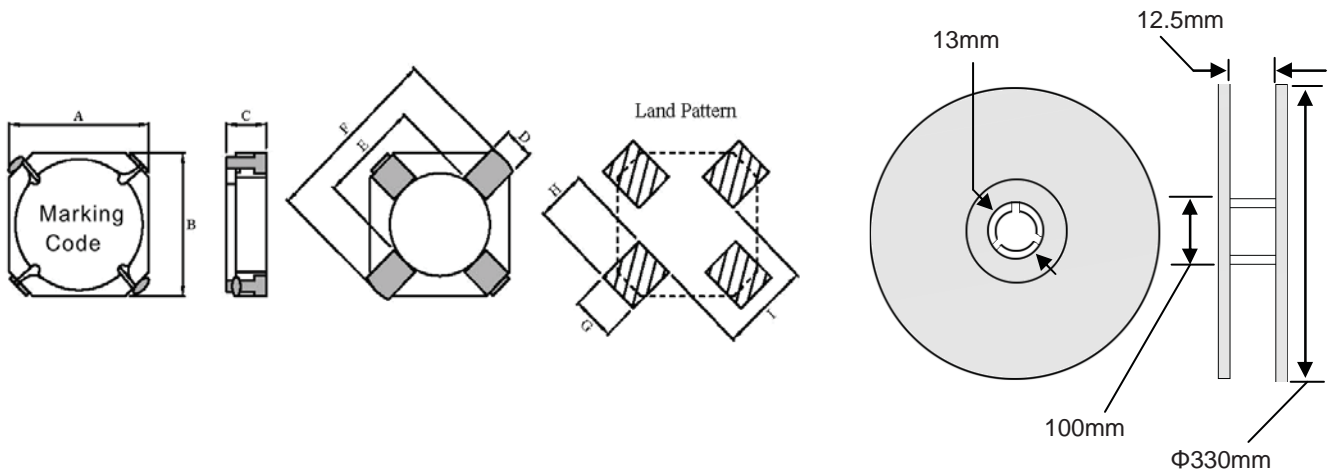
Product Identification of Part Number  
Type: Ex. D4009C-4R7N  
\* See Product Part of Number  
Tolerance: K ±10%; L ±15%; M ±20%; N ±30%

□ Configurations & Dimension

TYPE	A (max)	B (max)	C (max)	D	E	F	G	H	I	Packing Φ330mm
D4009C	4.9	4.9	1.0	1.0	3.3	5.4	1.4	1.65	2.9	5000pcs
D4011C	4.9	4.9	1.2	1.0	3.3	5.4	1.4	1.65	2.9	5000pcs
D4014C	4.9	4.9	1.5	1.0	3.3	5.4	1.4	1.65	2.9	5000pcs

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

□ Reel Type Dimension



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TYPE: D4009C/D4011C/D4014D Series

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□ Electrical Characteristics for D4009C 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
D4009C-4R7N	4.70	100	0.019	0.80	0.75	4R7
D4009C-6R8N	6.80	100	0.260	0.63	0.63	6R8
D4009C-100M	10.00	100	0.370	0.50	0.50	100
D4009C-150M	15.00	100	0.580	0.42	0.37	150
D4009C-200M	22.0	100	0.910	0.35	0.30	200



- ※ 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 D4011C 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)	字碼 Marking Code
D4011D-3R3N	3.3	100	0.1200	1.00	3R3
D4011D-4R7N	4.7	100	0.1800	0.80	4R7
D4011D-6R8N	6.8	100	0.2200	0.70	6R8
D4011D-100M	10.0	100	0.3100	0.60	100
D4011D-150M	15.0	100	0.4800	0.50	150
D4011D-220M	22.0	100	0.7100	0.40	220
D4011D-330M	33.0	100	1.1000	0.30	330

- ※ Test Frequency: 100KHz / 0.1V
- ※ Operating Temperature: -40°C ~ +85°C
- ※ Inductance drop : 35% typ at Isat.
- ※ Design as Customers Requested Specifications (可依特殊需求設計生產)

□ Electrical Characteristics for D4014C 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
D4014C-4R7N	4.70	100	0.110	0.90	1.00	4R7
D4014C-6R8N	6.80	100	0.130	0.80	1.00	6R8
D4014C-100M	10.00	100	0.180	0.65	0.85	100
D4014C-150M	15.00	100	0.270	0.55	0.63	150
D4014C-220M	22.0	100	0.390	0.45	0.52	220
D4014C-330M	33.00	100	0.560	0.35	0.42	330
D4014C-470M	47.00	100	0.830	0.30	0.33	470

- ※ Test Frequency: 100KHz / 0.1V
- ※ Operating Temperature: -40°C ~ +85°C
- ※ Inductance drop : 35% typ at Isat.
- ※ ΔT : 40°C rise at Irms.
- ※ Design as Customers Requested Specifications (可依特殊需求設計生產)

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