

SINLOON®

閉磁式功率電感

Inductance Range: 10μH ~ 470μH

TYPE:

R63B/R74B/R105B Series

SMT Shielded Power Inductors

Type	Inductance Range
R63B	10μH ~ 68μH
R74B	10μH ~ 270μH
R105B	10μH ~ 470μH

□ Figure



□ Features (特長)

- ◆ Magnetically shielded construction (閉磁路構造設計)
- ◆ Compact and thin (輕便薄小)
- ◆ Put the electrode with ferrite core directly, a small surface area allow a high mounting density. (直接電極設計、降低零件高度)

□ Ordering

Product Identification of Part Number
Type: Ex. R63B-100M
See Product Part of Number
Tolerance:
K ±10%; L ±15%; M ±20%; N ±30%

□ Applications (用途)

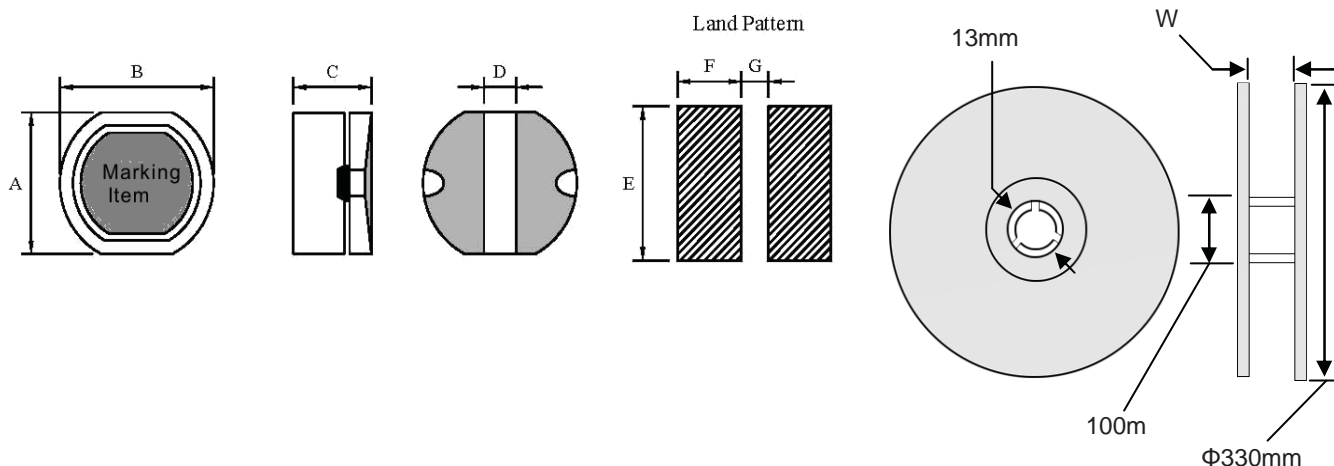
- ◆ VTR, OA equipment, LCD television set, Notebook, portable communication equipments, DC/DC converters, etc.
(錄放影機、OA儀器、液晶電視、筆記型電腦、小型通信機器、直流轉換器等)

□ Configurations & Dimension

TYPE	A (max)	B (max)	C (max)	D	E	F	G	W	Unit:mm
									Reel Tape Φ330mm
R63B	5.9	6.5	3.5	1.45	5.5	2.55	1.70	12.5	2000pcs
R74B	7.4	7.4	4.9	2.10	7.5	4.00	2.00	16.5	1000pcs
R105B	9.4	10.4	5.5	2.90	9.5	5.00	5.00	24.5	500pcs

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

□ Reel Type Dimension



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TYPE:

R63B/R74B/R105B Series

Inductance Range: 1.0μH ~ 100μH

SMT Shielded Power Inductors

□ **Electrical Characteristics for R63B Series** R63B Inductance Range 10μH ~ 68μH

產品規格型號 Ordering Part Number	電感值(L) Inductance (μH)	測試頻率 Test Frequency (MHz)	直流阻抗 DCR (Ω) (max)	定格電流 IDC (A) (max)	字碼 Marking Code
R63B-100M	10.00	2.52	0.140	1.000	100
R63B-120M	12.00	2.52	0.160	0.940	120
R63B-150M	15.00	2.52	0.180	0.860	150
R63B-180M	18.00	2.52	0.250	0.780	180
R63B-220M	22.00	2.52	0.320	0.760	220
R63B-270M	27.00	2.52	0.360	0.640	270
R63B-330M	33.00	2.52	0.410	0.610	330
R63B-390M	39.00	2.52	0.470	0.530	390
R63B-470M	47.00	2.52	0.510	0.500	470
R63B-560M	56.00	2.52	0.720	0.460	560
R63B-680M	68.00	2.52	0.820	0.420	680

※ Test Frequency : 2.25MHz / 0.25V

※ Operating Temp. : -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)

□ **Electrical Characteristics for R74B Series** R74B Inductance Range 10μH ~ 270μH

產品規格型號 Ordering Part Number	電感值(L) Inductance (μH)	測試頻率 Test Frequency (Hz)	直流阻抗 DCR (Ω) (max)	定格電流 IDC (A) (max)	字碼 Marking Code
R74B-100M	10.00	2.52M	0.070	1.650	100
R74B-120M	12.00	2.52M	0.070	1.570	120
R74B-150M	15.00	2.52M	0.080	1.390	150
R74B-180M	18.00	2.52M	0.100	1.290	180
R74B-220M	22.00	2.52M	0.130	1.120	220
R74B-270M	27.00	2.52M	0.160	1.060	270
R74B-330M	33.00	2.52M	0.180	0.970	330
R74B-390M	39.00	2.52M	0.180	0.910	390
R74B-470M	47.00	2.52M	0.270	0.800	470
R74B-560M	56.00	2.52M	0.290	0.760	560
R74B-680M	68.0	2.52M	0.330	0.680	680
R74B-820M	82.0	2.52M	0.430	0.620	820
R74B-101M	100.0	1K Hz	0.490	0.550	101
R74B-121M	120.0	1K Hz	0.680	0.490	121
R74B-151M	150.0	1K Hz	0.940	0.440	151
R74B-181M	180.0	1K Hz	1.000	0.400	181
R74B-221M	220.0	1K Hz	1.180	0.360	221
R74B-271M	270.0	1K Hz	1.300	0.330	271

※ Test Frequency : 101~271 1KHz / 0.25V

※ Operating Temp. : -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)

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TYPE:

R63B/R74B/R105B Series

Inductance Range: 1.0μH ~ 100μH

SMT Shielded Power Inductors

□ Electrical Characteristics for R105B Series R105R Inductance Range 10μH ~ 470μH

產品規格型號 Ordering Part Number	電感值(L) Inductance (μH)	測試頻率 Test Frequency	直流阻抗 DCR (Ω) (max)	定格電流 IDC (A) (max)	字碼 Marking Code
R105B-100M	10.00	2.52MHz	0.060	2.060	100
R105B-120M	12.00	2.52MHz	0.070	1.940	120
R105B-150M	15.00	2.52MHz	0.070	1.720	150
R105B-180M	18.00	2.52MHz	0.080	1.580	180
R105B-220M	22.00	2.52MHz	0.080	1.420	220
R105B-270M	27.00	2.52MHz	0.100	1.320	270
R105B-330M	33.00	2.52MHz	0.110	1.160	330
R105B-390M	39.00	2.52MHz	0.120	1.100	390
R105B-470M	47.00	2.52MHz	0.140	1.000	470
R105B-560M	56.00	2.52MHz	0.190	0.930	560
R105B-680M	68.00	2.52MHz	0.210	0.850	680
R105B-820M	82.00	2.52MHz	0.280	0.790	820
R105B-101M	100.00	1KHz	0.340	0.720	101
R105B-121M	120.00	1KHz	0.370	0.630	121
R105B-151M	150.00	1KHz	0.510	0.550	151
R105B-181M	180.00	1KHz	0.570	0.500	181
R105B-221M	220.00	1KHz	0.780	0.470	221
R105B-271M	270.00	1KHz	0.870	0.410	271
R105B-331M	330.00	1KHz	1.200	0.370	331
R105B-391M	390.00	1KHz	1.340	0.350	391
R105B-471M	470.00	1KHz	1.500	0.330	471

※ Test Frequency : 101~471 1KHz / 0.25V

※ Operating Temp. : -40°C ~ +85°C

※ Inductance Drop = 10% Typ. At IDC

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