

SMT Shielded Power Inductors

GSDS104C2 / GSDS106C2 / GSDS126C2

Features (特長)

- 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 (用途)

- TV game, Computer devices (電視遊樂器、電腦週邊設備)
- Ideal for a variety of DC/DC converter inductor applications. (各種直流轉換器適用)



Product Identification (產品識別)

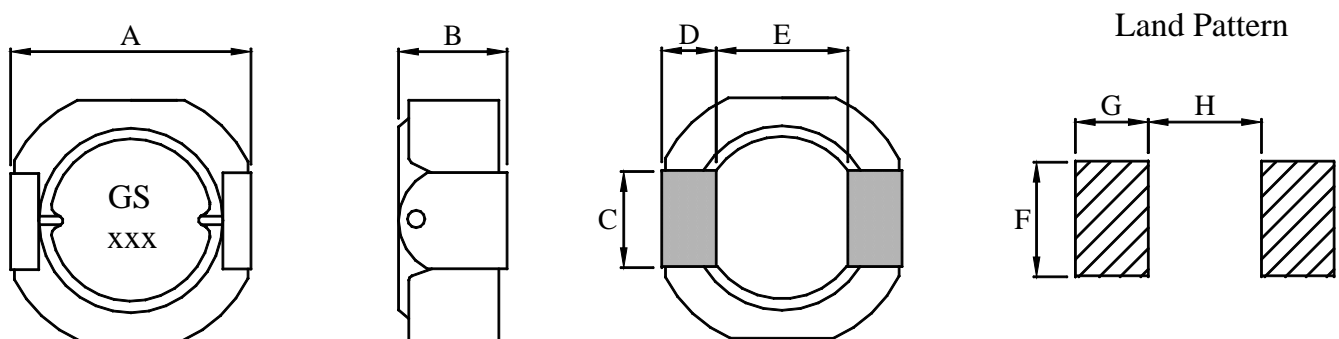
GSDS104C2 - _____ (Ex. GSDS104C2-1R1N)

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1. SMT Shielded Power Inductors (閉磁式功率電感)
(GSDS104C2, GSDS106C2, GSDS126C2)
2. Inductance (電感值)
3. Tolerance (誤差值) (參照表 K 10%, L 15%, M 20%, N 30%)



Configurations & Dimensions (結構圖及規格尺寸)



Unit In mm

Type (型式)	A (max)	B (max)	C ±0.2	D ±0.2	E ±0.2	F	G	H
GSDS104C2	10.4	4.8	3.0	2.0	6.0	3.6	2.65	5.4
GSDS106C2	10.4	6.8	3.0	2.0	6.0	3.6	2.65	5.4
GSDS126C2	12.8	6.8	3.0	2.0	8.5	3.6	2.60	7.9

♣ Design as Customer's Requested Specifications. (可依客戶特殊需求設計)

SMT Shielded Power Inductors

GSDS104C2

Electrical Characteristics for GSDS104C2 Series [GSDS104C2 系列電子特性規格]

Part Number 產品料號	Inductance (μ H) 電感值 (L)	Test Freq. (KHz) 測試頻率	DCR (Ω) (max) 直流阻抗	IDC (A) (max) 定格電流
GSDS104C2 – 1R1N	1.10	100	0.011	11.70
GSDS104C2 – 1R8N	1.80	100	0.014	8.70
GSDS104C2 – 2R7N	2.70	100	0.016	7.30
GSDS104C2 – 3R9N	3.90	100	0.018	5.80
GSDS104C2 – 5R1N	5.10	100	0.026	4.90
GSDS104C2 – 6R8N	6.80	100	0.035	4.50
GSDS104C2 – 8R2N	8.20	100	0.040	4.10
GSDS104C2 – 100M	10.00	100	0.044	3.60
GSDS104C2 – 120M	12.00	100	0.051	3.30
GSDS104C2 – 150M	15.00	100	0.062	3.10
GSDS104C2 – 180M	18.00	100	0.079	2.70
GSDS104C2 – 220M	22.00	100	0.087	2.40
GSDS104C2 – 270M	27.00	100	0.100	2.20
GSDS104C2 – 330M	33.00	100	0.125	2.00
GSDS104C2 – 390M	39.00	100	0.150	1.80
GSDS104C2 – 470M	47.00	100	0.175	1.70
GSDS104C2 – 560M	56.00	100	0.195	1.50
GSDS104C2 – 680M	68.00	100	0.240	1.30
GSDS104C2 – 820M	82.00	100	0.295	1.20
GSDS104C2 – 101M	100.00	100	0.380	1.10
GSDS104C2 – 121M	120.00	100	0.460	0.97

※Test Freq. : 100KHz / 0.1V.

※Operating Temp. : $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

※Inductance drop=30% typ. at IDC.

※Storage Temperature&Humidity : $\leq 40^{\circ}\text{C}$ & 70% RH maximum

SMT Shielded Power Inductors

GSDS106C2

Electrical Characteristics for GSDS106C2 Series [GSDS106C2 系列電子特性規格]

Part Number 產品料號	Inductance (μ H) 電感值 (L)	Test Freq. (KHz) 測試頻率	DCR (Ω) (max) 直流阻抗	IDC (A) (max) 定格電流
GSDS106C2 – 1R1N	1.10	100	0.014	7.00
GSDS106C2 – 1R8N	1.80	100	0.018	6.50
GSDS106C2 – 2R7N	2.70	100	0.020	6.00
GSDS106C2 – 3R5N	3.50	100	0.022	5.60
GSDS106C2 – 4R7N	4.70	100	0.024	5.20
GSDS106C2 – 6R0N	6.00	100	0.026	4.80
GSDS106C2 – 7R5N	7.50	100	0.030	4.20
GSDS106C2 – 100M	10.00	100	0.035	4.00
GSDS106C2 – 120M	12.00	100	0.040	3.50
GSDS106C2 – 150M	15.00	100	0.050	3.20
GSDS106C2 – 180M	18.00	100	0.060	3.00
GSDS106C2 – 220M	22.00	100	0.065	2.60
GSDS106C2 – 270M	27.00	100	0.075	2.20
GSDS106C2 – 330M	33.00	100	0.095	2.00
GSDS106C2 – 390M	39.00	100	0.110	1.90
GSDS106C2 – 470M	47.00	100	0.135	1.80
GSDS106C2 – 560M	56.00	100	0.145	1.70
GSDS106C2 – 680M	68.00	100	0.155	1.60
GSDS106C2 – 820M	82.00	100	0.185	1.50
GSDS106C2 – 101M	100.00	100	0.220	1.40
GSDS106C2 – 121M	120.00	100	0.255	1.30
GSDS106C2 – 151M	150.00	100	0.280	1.10
GSDS106C2 – 181M	180.00	100	0.350	1.00
GSDS106C2 – 221M	220.00	100	0.460	0.85
GSDS106C2 – 271M	270.00	100	0.600	0.70
GSDS106C2 – 331M	330.00	100	0.700	0.60
GSDS106C2 – 391M	390.00	100	0.860	0.55
GSDS106C2 – 471M	470.00	100	1.100	0.53
GSDS106C2 – 561M	560.00	100	1.250	0.50
GSDS106C2 – 681M	680.00	100	1.500	0.47

※Test Freq. : 100KHz / 0.1V.

※Operating Temp. : $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

※Inductance drop=30% typ. at IDC.

※Storage Temperature&Humidity : $\leq 40^{\circ}\text{C}$ & 70% RH maximum

SMT Shielded Power Inductors

GSDS126C2

Electrical Characteristics for GSDS126C2 Series [GSDS126C2 系列電子特性規格]

Part Number 產品料號	Inductance (μ H) 電感值 (L)	Test Freq. (KHz) 測試頻率	DCR (Ω) (max) 直流阻抗	IDC (A) (max) 定格電流
GSDS126C2 – 1R7N	1.70	100	0.010	11.80
GSDS126C2 – 2R7N	2.70	100	0.011	9.00
GSDS126C2 – 3R9N	3.90	100	0.014	7.90
GSDS126C2 – 5R6N	5.60	100	0.016	6.80
GSDS126C2 – 7R5N	7.50	100	0.017	5.70
GSDS126C2 – 100N	10.00	100	0.023	5.50
GSDS126C2 – 120N	12.00	100	0.027	5.00
GSDS126C2 – 150N	15.00	100	0.032	4.50
GSDS126C2 – 180N	18.00	100	0.040	4.10
GSDS126C2 – 220N	22.00	100	0.046	3.60
GSDS126C2 – 270N	27.00	100	0.050	3.20
GSDS126C2 – 330M	33.00	100	0.064	3.00
GSDS126C2 – 390M	39.00	100	0.074	2.70
GSDS126C2 – 470M	47.00	100	0.082	2.40
GSDS126C2 – 560M	56.00	100	0.105	2.00
GSDS126C2 – 680M	68.00	100	0.120	1.70
GSDS126C2 – 820M	82.00	100	0.145	1.60
GSDS126C2 – 101M	100.00	100	0.170	1.50
GSDS126C2 – 121M	120.00	100	0.185	1.30
GSDS126C2 – 151M	150.00	100	0.235	1.20
GSDS126C2 – 181M	180.00	100	0.290	1.10
GSDS126C2 – 221M	220.00	100	0.350	1.00
GSDS126C2 – 271M	270.00	100	0.415	0.93
GSDS126C2 – 331M	330.00	100	0.495	0.83
GSDS126C2 – 391M	390.00	100	0.610	0.76
GSDS126C2 – 471M	470.00	100	0.705	0.67
GSDS126C2 – 561M	560.00	100	0.900	0.62
GSDS126C2 – 681M	680.00	100	1.120	0.55

※Test Freq. : 100KHz / 0.1V.

※Operating Temp. : $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

※Inductance drop=30% typ. at IDC.

※Storage Temperature&Humidity : $\leq 40^{\circ}\text{C}$ & 70% RH maximum