

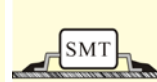
# SMT Toroidal Coil Inductors GS0950 / GS0950A

## Features (特長)

- Magnetically shielded construction (閉磁路構造設計)
- Compact and thin (輕便薄小)
- High quality toroidal core (高品質環型磁芯)
- Low profile common mode choke (薄型共模抗流線圈)

## Applications (用途)

- Range suited for many DSL and
- Telecom applications
- (範圍適合於許多 DSL 和電信應用)



## Product Identification (產品識別)

GS0950- \_\_\_\_\_ (Ex. GS0950-472N)

1                      2                      3

1. SMT Toroidal Coil Inductors (表面黏著環形濾波電感)  
(GS0950, GS0950A)

2. Inductance (電感值)

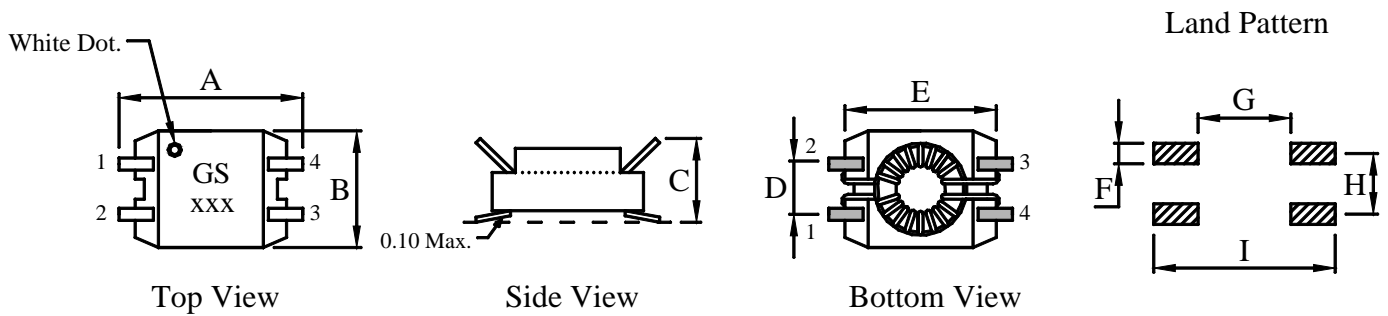
3. Tolerance (誤差值) ( 參照表 M 20%, N 30%)

# SMT Toroidal Coil Inductors

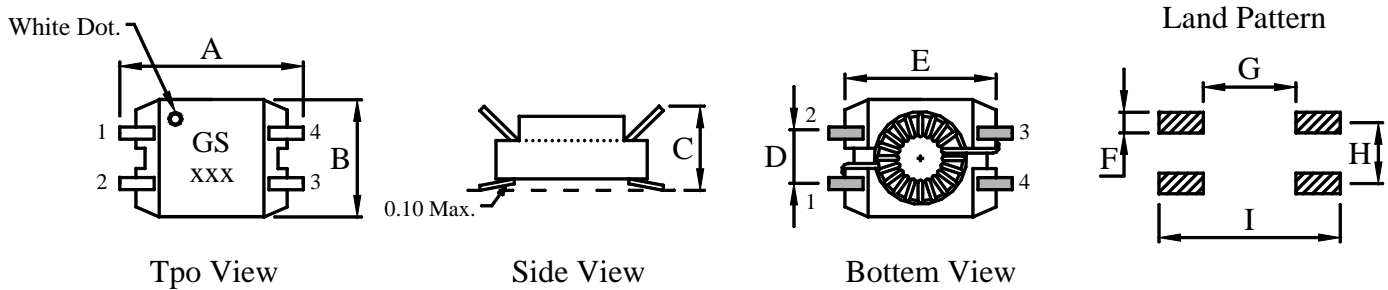
## GS0950 / GS0950A

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

GS0950



GS0950A



Unit In mm

Type (型式)	A (max)	B (max)	C (max)	D $\pm 0.5$	E $\pm 0.2$	F	G	H	I
GS0950/GS0950A	9.5	6.0	5.2	2.5	7.5	1.2	4.5	2.5	10.5

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

# SMT Toroidal Coil Inductors

## GS0950

Electrical Characteristics for GS0950 Series [GS0950 系列電子特性規格]

Part Number 產品料號	Inductance ( $\mu$ H) 電感值 (L)	Withstanding Voltage (Vrms) 承受電壓	Test Freq. ( KHz ) 測試頻率	DCR ( $\Omega$ ) (max) 直流阻抗	Rated Current (max)(mA) 額定電流
GS0950 - 471N	470	250	100	0.3	220
GS0950 - 102N	1000	250	100	0.3	220
GS0950 - 222N	2200	250	100	0.4	200
GS0950 - 472N	4700	250	100	0.7	180

※Test Freq. : 100KHz / 0.1V.

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

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

## GS0950A

Electrical Characteristics for GS0950A Series [GS0950A 系列電子特性規格]

Part Number 產品料號	Inductance ( $\mu$ H) 電感值 (L)	IDC (A) ( $\mu$ H / min) 電感值 (L)	Test Freq. ( KHz ) 測試頻率	DCR ( $\Omega$ ) (max) 直流阻抗	IDC (A) (max) 定格電流
GS0950A - R50N	0.5	0.36	100	0.012	5.5
GS0950A - 1R0N	1.0	0.85	100	0.016	3.5
GS0950A - 2R2N	2.2	1.70	100	0.022	2.5
GS0950A - 3R9N	3.9	2.80	100	0.041	1.8
GS0950A - 4R7M	4.7	4.00	100	0.057	1.5
GS0950A - 5R6M	5.6	4.70	100	0.060	1.4
GS0950A - 6R8M	6.8	5.50	100	0.066	1.3
GS0950A - 8R2M	8.2	7.00	100	0.075	1.2
GS0950A - 100M	10.0	8.80	100	0.097	1.0

※Test Freq. : 100KHz / 0.1V.

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

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