

# Common Mode EMI Line Filters

## GSTIB4

### Features (特長)

- Closed magnetic circuit for lowest EMI (閉合磁性電路防 EMI 干擾對策)
- Common mode for DC power lines (共模 DC 直流電端端應用)

### Applications (用途)

- Copying Machine, Display Monitor, ADSL Modem, Gaming Machine, Color TV, Video Camera, Air Conditioner, Refrigerator, Laundry Machine, Microwave Oven and Car Electronics, etc.. (影印機、顯示監視器、寬頻數據機、遊戲機、彩色電視、攝影機、冷氣機、電冰箱、洗衣機、微波爐、汽車電子產品等)
- Communication equipment (通訊設備)



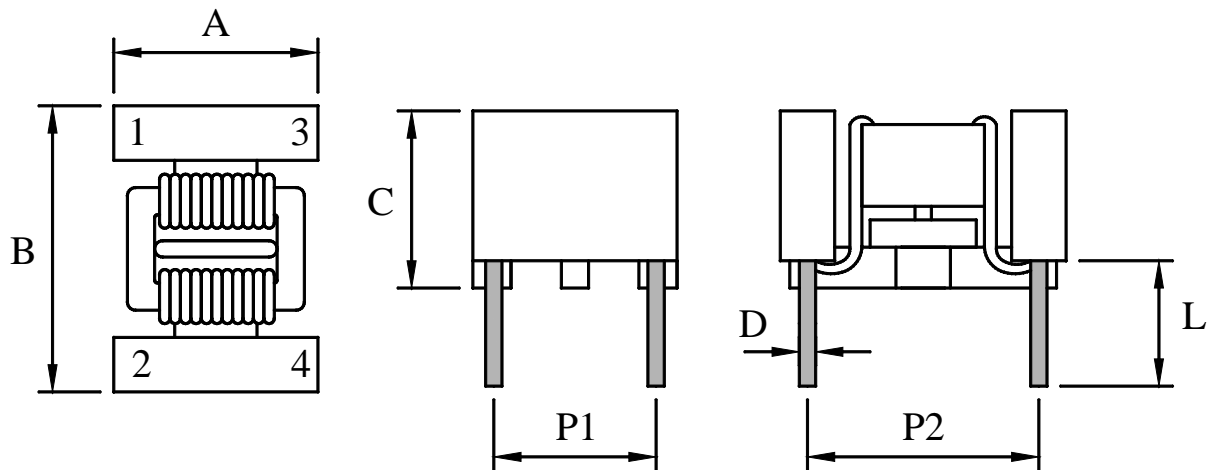
### Product Identification (產品識別)

**GSTIB4** - \_\_\_\_\_ (Ex. GSTIB4-101N / GSTIB4-10Ts)

1                      2                      3

1. Form (型式) (GSTIB4)
2. Inductance or Turns (電感值 或 圈數)
4. Tolerance (誤差值) ( 參照表 N 30%, Y min)

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



Unit In mm

Type (型式)	A (max)	B (max)	C (max)	D $\pm 0.1$	L $\pm 1.0$	P1 $\pm 0.5$	P2 $\pm 0.5$
GSTIB4	7.5	10.5	8.0	0.6	4.6	5.0	7.5

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

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Electrical Characteristics for GSTIB4 Series [GSTIB4 系列電子特性規格]

Part Number 產品料號	Inductance(uH) @1KHz/1V 電感值(L)	Impedance( $\Omega$ ) @25MHz 阻抗值(Z)	Impedance( $\Omega$ ) @100MHz 阻抗值(Z)	DCR ( $\Omega$ ) (max) 直流阻抗	Rated Current(A) (max) 額定電流
GSTIB4 - 4R5Y	4.5 (min)	200 (min)	1500 (min)	0.02	3.5
GSTIB4 - 5R0Y	5.0 (min)	300 (min)	2000 (min)	0.03	3.0
GSTIB4 - 9R0Y	9.0 (min)	400 (min)	2500 (min)	0.04	2.5
GSTIB4 - 150Y	15.0 (min)	700 (min)	3500 (min)	0.05	2.0
GSTIB4 - 250Y	25.0 (min)	1100 (min)	5000 (min)	0.07	1.5

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

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