

# SMT Unshielded Power Inductors

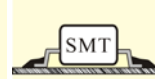
## GS5022DHP

### Features (特長)

- Open Magnetic circuit construction (開磁路構造設計)
- Compact and thin (輕便薄小)
- 8mm high for large current and low DCR. (高度低於 8mm、大電流及低直流阻抗)
- Self-leaded construction (直接線端之構造)

### Applications (用途)

- Notebook, Low voltage DC-DC converter (筆記型電腦、低電壓直流轉換器)



### Product Identification (產品識別)

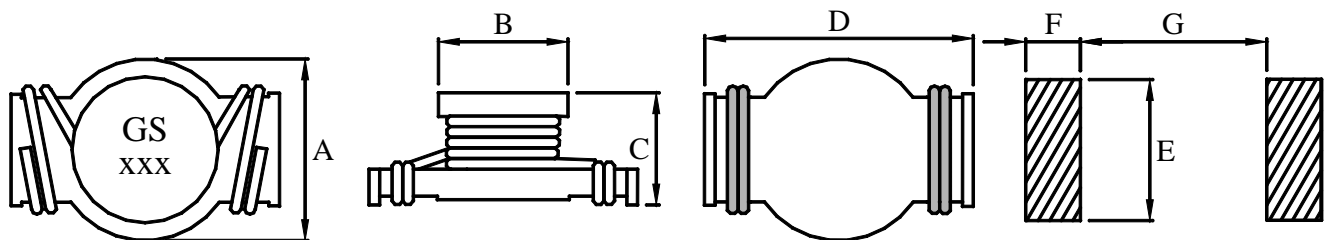
GS5022DHP - \_\_\_\_\_ (Ex. GS5022DHP-R78N)

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1. SMT Unshielded Power Inductors (開放式功率電感) (GS5022DHP)
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)

Land Pattern



Unit In mm

Type (型式)	A (max)	B $\pm 0.3$	C (max)	D (max)	E	F	G
GS5022DHP	16.26	12.70	8.00	22.35	11.94	3.18	14.35

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

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## GS5022DHP

Electrical Characteristics for GS5022DHP Series [GS5022DHP 系列電子特性規格]

Part Number 產品料號	Inductance ( $\mu$ H) 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
GS5022DHP – R78N	0.78	100	0.0026	30.00
GS5022DHP – 1R5M	1.50	100	0.0040	25.00
GS5022DHP – 2R2M	2.20	100	0.0061	20.00
GS5022DHP – 3R3M	3.30	100	0.0086	17.00
GS5022DHP – 3R9M	3.90	100	0.0100	15.00
GS5022DHP – 4R7M	4.70	100	0.0140	13.00
GS5022DHP – 6R0M	6.00	100	0.0170	12.00
GS5022DHP – 7R8M	7.80	100	0.0180	11.00
GS5022DHP – 100M	10.00	100	0.0260	10.00
GS5022DHP – 150M	15.00	100	0.0320	8.00

※Test Freq. : 100KHz / 0.1V.

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

※Inductance drop = 10% typ. at IDC.

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