

# SMT Unshielded Power Inductors

## GS3316DHP

### Features (特長)

- Open Magnetic circuit construction (開磁路構造設計)
- Compact and thin (輕便薄小)
- Mn-Zn material core (錳鋅材之鐵芯)
- Self-leaded construction (直接線端之構造)

### Applications (用途)

- Notebook, Low voltage DC-DC converter, power supply applications (筆記型電腦、低電壓直流轉換器、電源供應器)



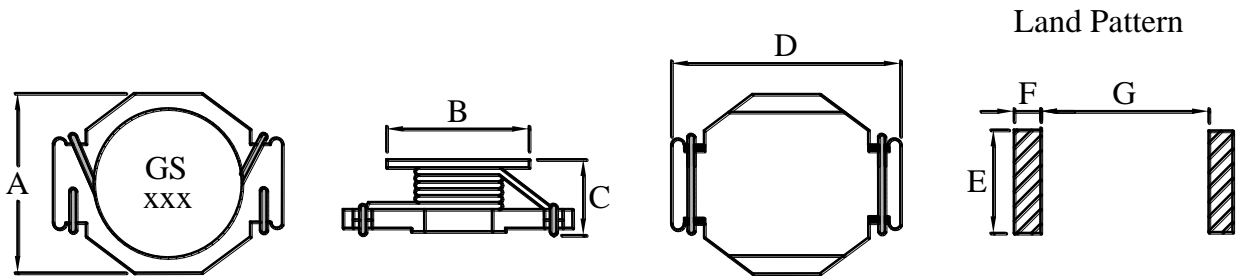
### Product Identification (產品識別)

GS3316DHP - \_\_\_\_\_ (Ex. GS3316DHP-R33N)

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1. SMT Unshielded Power Inductors (開放式功率電感) (GS3316DHP)
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 ±0.3	C (max)	D (max)	E	F	G
GS3316DHP	9.91	8.38	6.35	13.21	4.06	1.52	8.64

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

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## GS3316DHP

Electrical Characteristics for GS3316DHP Series [GS3316DHP 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
GS3316DHP – R33N	0.33	100	0.002	20.00
GS3316DHP – R68N	0.68	100	0.005	13.00
GS3316DHP – 1R0N	1.00	100	0.006	11.00
GS3316DHP – 1R5M	1.50	100	0.008	9.00
GS3316DHP – 2R2M	2.20	100	0.011	7.80
GS3316DHP – 2R7M	2.70	100	0.012	7.00
GS3316DHP – 3R3M	3.30	100	0.014	6.40
GS3316DHP – 4R7M	4.70	100	0.018	5.40

※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