

SMT Shielded Power Inductors GS3316DC

Features (特長)

- Magnetically shielded construction (閉磁路構造設計)
- Compact and thin (輕便薄小)

Applications (用途)

- Notebook, DC/DC converter, Communication products (筆記型電腦、直流轉換器、通訊類產品)



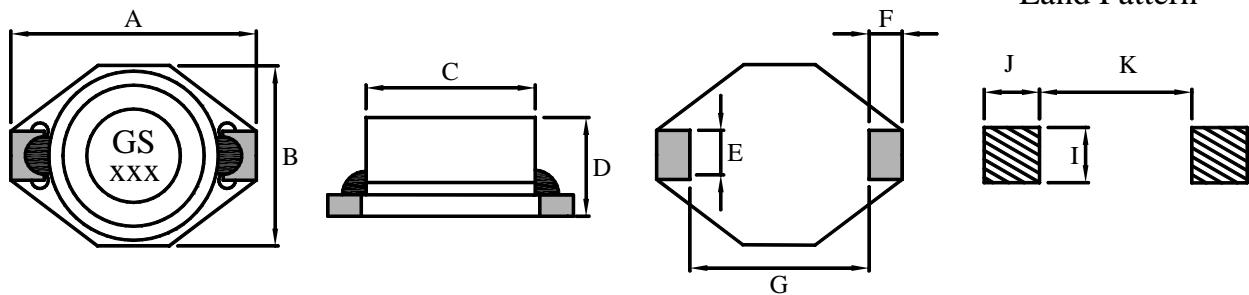
Product Identification (產品識別)

GS3316DC - _____ (Ex. GS3316DC-1R0M)

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1. SMT Shielded Power Inductors (閉磁式功率電感) (GS3316DC)
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 ±0.3 | D (max) | E ±0.3 | F ±0.3 | G ±0.3 | I | J | K |
|-----------|---------|---------|--------|---------|--------|--------|--------|------|------|------|
| GS3316DC | 12.95 | 9.40 | 8.38 | 5.08 | 2.54 | 2.54 | 7.62 | 2.79 | 3.04 | 7.37 |

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

SMT Shielded Power Inductors

GS3316DC

Electrical Characteristics for GS3316DC Series [GS3316DC 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 |
|---------------------|-------------------------------------|-----------------------------|-----------------------------------|--------------------------|
| GS3316DC -1R0M | 1.00 | 100 | 0.021 | 5.60 |
| GS3316DC -1R5M | 1.50 | 100 | 0.022 | 5.20 |
| GS3316DC -2R2M | 2.20 | 100 | 0.032 | 5.00 |
| GS3316DC -3R3M | 3.30 | 100 | 0.039 | 3.90 |
| GS3316DC -4R7M | 4.70 | 100 | 0.054 | 3.20 |
| GS3316DC -6R8M | 6.80 | 100 | 0.075 | 2.80 |
| GS3316DC -100M | 10.00 | 100 | 0.101 | 2.40 |
| GS3316DC -150M | 15.00 | 100 | 0.150 | 2.00 |
| GS3316DC -220M | 22.00 | 100 | 0.207 | 1.60 |
| GS3316DC -330M | 33.00 | 100 | 0.334 | 1.40 |
| GS3316DC -470M | 47.00 | 100 | 0.472 | 1.00 |

※Test Freq. : 100KHz / 0.1V.

※Operating Temp. : -40°C ~ $+85^{\circ}\text{C}$

※Inductance drop = 10% typ. at IDC.