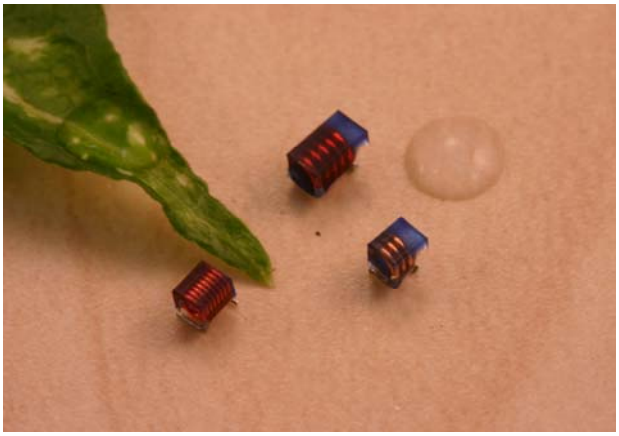
GANG SONG

# SMD Flat Top Air Core Inductors
# GSAM0805 / GSAM1008

Features (特長)
- High frequency (高頻)
- Highest possible SRF as well as excellent Q values (高共振頻率及高品質因素)
- The constitutive property is good and easy to operate (結構性佳、使用方便)

Applications (用途)
- Pager, Cordless phone & High Freq. Communication Products (呼叫器、行動電話及高頻通訊類產品)
- Intercom, CATV (對講機、CATV)



Product Identification (產品識別)

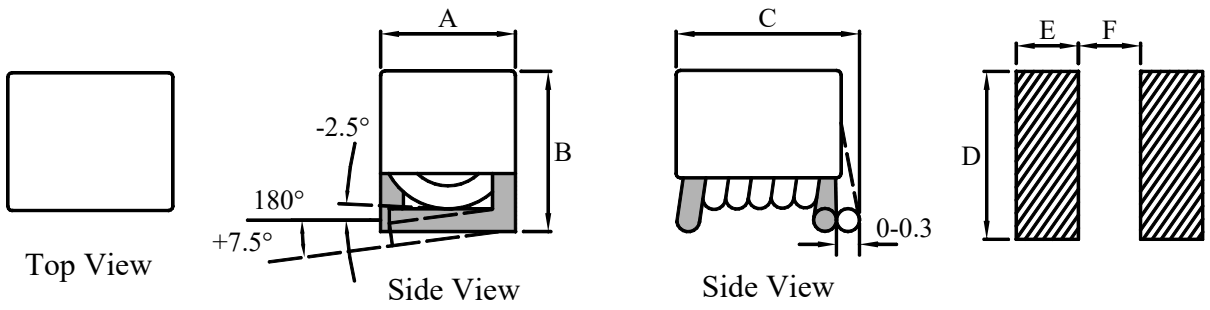
GSAM _____ - ____ ____ (Ex. GSAM0805-3N9K)

1 2 3 4

1. SMD Flat Top Air Core Inductors (平面灌膠式空芯線圈電感)
2. Size
   GSAM0805, GSAM1008
3. Inductance (電感值)
4. Tolerance (誤差值) ( 參照表 K 10%, M 20% )

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

Land Pattern




Unit In mm

| Type ( 型 式 ) | A (max) | B (max) | C (max) | D | E | F |
|---|---|---|---|---|---|---|
| GSAM0805 | 1.80 | 2.10 | 2.85 | 1.78 | 1.02 | 0.76 |
| GSAM1008 | 1.90 | 2.20 | 3.20 | 2.54 | 1.02 | 1.27 |

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# SMD Flat Top Air Core Inductors
# GSAM0805

Electrical Characteristics for GSAM0805 Series [GSAM0805 系列電子特性規格]

| Part Number<br>產 品 料 號 | Inductance (L) (nH)<br>電感值 | Q (min)<br>品質因數 | Test Freq. (MHz)<br>測試頻率 | SRF(MHz) (min)<br>共振頻率 | DCR(mΩ) (max)<br>直流阻抗 | IDC(mA) (max)<br>定格電流 |
|---|---|---|---|---|---|---|
| GSAM0805 - 3N9K | 3.9 | 80 | 300 | >3000 | 2.6 | 1200 |
| GSAM0805 - 4N7K | 4.7 | 80 | 300 | >3000 | 3.6 | 900 |
| GSAM0805 - 5N6K | 5.6 | 80 | 300 | >3000 | 3.7 | 950 |
| GSAM0805 - 6N8K | 6.8 | 80 | 300 | >3000 | 4.5 | 900 |
| GSAM0805 - 8N2K | 8.2 | 80 | 300 | >3000 | 5.3 | 840 |
| GSAM0805 - 10NK | 10 | 70 | 300 | >3000 | 5.4 | 900 |
| GSAM0805 - 12NK | 12 | 70 | 300 | >3000 | 6.3 | 900 |
| GSAM0805 - 15NK | 15 | 70 | 300 | 2500 | 7.2 | 900 |
| GSAM0805 - 18NK | 18 | 70 | 300 | 2500 | 12.5 | 500 |
| GSAM0805 - 22NK | 22 | 70 | 300 | 2400 | 12.9 | 550 |
| GSAM0805 - 27NK | 27 | 70 | 300 | 1600 | 14.5 | 550 |
| GSAM0805 - 33NK | 33 | 70 | 300 | 1600 | 18.7 | 500 |

※Operating Temp. : －40℃ ~ ＋125℃

※Storage Temperature&Humidity : ≦ 40℃ & 70% RH maximum

# GSAM1008

Electrical Characteristics for GSAM1008 Series [GSAM1008 系列電子特性規格]

| Part Number<br>產 品 料 號 | Inductance (L) (nH)<br>電感值 | Q (min)<br>品質因數 | Test Freq. (MHz)<br>測試頻率 | SRF(MHz) (min)<br>共振頻率 | DCR(mΩ) (max)<br>直流阻抗 | IDC(mA) (max)<br>定格電流 |
|---|---|---|---|---|---|---|
| GSAM1008 - 6N8K | 6.8 | 80 | 300 | >3000 | 4.0 | 1200 |
| GSAM1008 - 8N2K | 8.2 | 80 | 300 | >3000 | 5.0 | 950 |
| GSAM1008 - 10NK | 10 | 70 | 300 | >3000 | 6.0 | 950 |
| GSAM1008 - 12NK | 12 | 70 | 300 | >3000 | 6.5 | 900 |
| GSAM1008 - 15NK | 15 | 70 | 300 | 2500 | 7.3 | 900 |
| GSAM1008 - 18NK | 18 | 70 | 300 | 2500 | 9.6 | 840 |
| GSAM1008 - 22NK | 22 | 70 | 300 | 2400 | 10.8 | 840 |
| GSAM1008 - 27NK | 27 | 70 | 300 | 1600 | 13.9 | 600 |
| GSAM1008 - 33NK | 33 | 70 | 300 | 1600 | 19.5 | 500 |
| GSAM1008 - 39NK | 39 | 70 | 300 | 1500 | 21.6 | 500 |

※Operating Temp. : －40℃ ~ ＋125℃

※Storage Temperature&Humidity : ≦ 40℃ & 70% RH maximum