

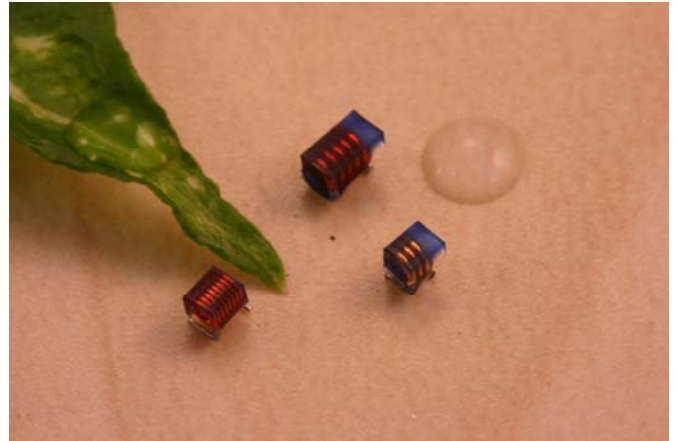
# SMD Flat Top Air Core Inductors GSAM0603 / GSAM0805 / GSAM1008

## 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)

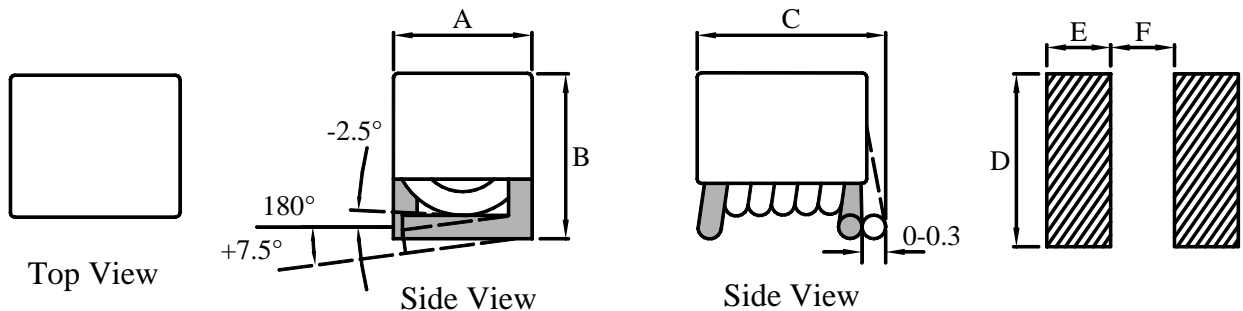
GSAM \_\_\_\_\_ - \_\_\_\_\_ (Ex. GSAM0603-3N9K)

1      2      3      4

1. SMD Flat Top Air Core Inductors (平面灌膠式空芯線圈電感)
2. Size  
GSAM0603, 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)



Unit In mm

Type ( 型式 )	A (max)	B (max)	C (max)	D	E	F
GSAM0603	1.80	2.00	2.00	1.02	0.64	0.64
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

# SMD Flat Top Air Core Inductors

## GSAM0603

Electrical Characteristics for GSAM0603 Series [GSAM0603 系列電子特性規格]

Part Number 產品料號	Inductance (L) (nH) 電感值	Q (min) 品質因數	Test Freq. (MHz) 測試頻率	SRF(MHz) (min) 共振頻率	DCR(mΩ) (max) 直流阻抗	IDC(mA) (max) 定格電流
GSAM0603 - 3N9K	3.9	80	300	>3000	3.0	950
GSAM0603 - 4N7K	4.7	80	300	>3000	3.6	900
GSAM0603 - 5N6K	5.6	80	300	>3000	3.8	950
GSAM0603 - 6N8K	6.8	80	300	>3000	4.5	900
GSAM0603 - 8N2K	8.2	80	300	>3000	5.3	840
GSAM0603 - 10NK	10.0	70	300	>3000	6.9	600
GSAM0603 - 12NK	12.0	70	300	>3000	8.3	600
GSAM0603 - 15NK	15.0	70	300	2500	11.5	500
GSAM0603 - 18NK	18.0	70	300	2500	12.8	500
GSAM0603 - 22NK	22.0	70	300	2400	11.3	550
GSAM0603 - 27NK	27.0	70	300	1600	17.0	500
GSAM0603 - 33NK	33.0	70	300	1600	26.9	320
GSAM0603 - 39NK	39.0	70	300	1500	30.7	320
GSAM0603 - 47NK	47.0	70	300	1500	34.5	320
GSAM0603 - 56NK	56.0	70	300	1300	38.4	320

## GSAM0805

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

Part Number 產品料號	Inductance (L) (nH) 電感值	Q (min) 品質因數	Test Freq. (MHz) 測試頻率	SRF(MHz) (min) 共振頻率	DCR(mΩ) (max) 直流阻抗	IDC(mA) (max) 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
GSAM0805 - 39NK	39	70	300	1500	25.7	380
GSAM0805 - 47NK	47	70	300	1500	34.5	320
GSAM0805 - 56NK	56	70	300	1300	38.4	320
GSAM0805 - 68NK	68	70	300	1300	42.2	320

# SMD Flat Top Air Core Inductors

## GSAM1008

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

Part Number 產品料號	Inductance (L) (nH) 電感值	Q (min) 品質因數	Test Freq. (MHz) 測試頻率	SRF(MHz) (min) 共振頻率	DCR(mΩ) (max) 直流阻抗	IDC(mA) (max) 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
GSAM1008 - 47NK	47	70	300	1500	25.2	470
GSAM1008 - 56NK	56	70	300	1300	27.5	470
GSAM1008 - 68NK	68	70	300	1300	37.1	380
GSAM1008 - 82NK	82	70	300	1000	51.5	320
GSAM1008 - R10K	100	70	300	1000	55.5	320
GSAM1008 - R12K	120	70	300	950	63.4	320