GANG SONG

SMD Wirewound Chip Open-Type Inductors GS0805CG / GS0805FS(2012)

Features (特長)
- High frequency (高頻)
- Highest possible SRFs as well as excellent Q values (高共振頻率及高品質因素)
- The wire is wound directry on the ceramic core at a precision pitch (高精度繞線製品)

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)
- GPS (衛星導航系統)

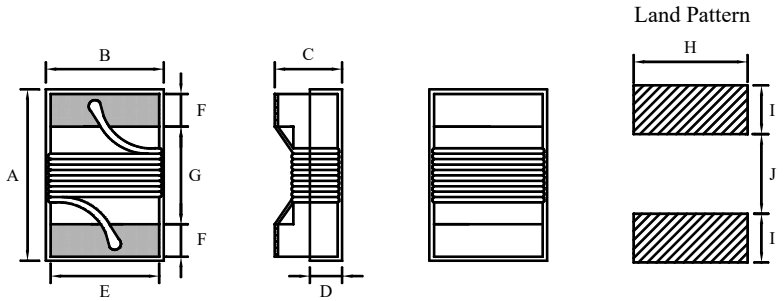
Product Identification (產品識別)

GS0805 ___ ___ - ___ ___ (Ex. GS0805CG-2N2M)

1 2 3 4 5

1. SMD Wirewound Chip Open-Type Inductors (小型繞線開放式晶片電感) (GS0805)
2. Material (材質)
   C → Ceramic (陶瓷)
   F → Ferrite (鐵粉芯)
3. Terminal (端子)
   G → Super-adhesion Molybdenum/Manganese with Gold overplating (金)
   S → Pd/Pt/Ag with wraparound metallizing (銀)
4. Inductance (電感值)
5. Tolerance (誤差值) (參照表 G 2%, J 5%, K 10%, M 20%)

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



Unit In mm

Item (型式)	A (max)	B (max)	C (max)	D (Ref.)	E	F	G	H	I	J
GS0805CG/FS(2012)	2.29	1.73	1.52	0.51	1.27	0.51	1.02	1.78	1.02	0.76

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

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SMD Wirewound Chip Open-type Inductors GS0805CG(2012)

Electrical Characteristics for GS0805CG(2012) Series [GS0805CG(2012)系列電子特性規格]

Part Number 產 品 料 號	Inductance (nH) 電感值(L)	Q (min) 品質因數	Freq.(MHz) L 測試頻率	 Q	SRF(MHz) (min) 共振頻率	DCR(Ω) (max) 直流阻抗	IDC(mA) (max) 定格電流
GS0805CG –2N2M	2.20	15	250	1500	6000	0.080	600
GS0805CG –3N3M	3.30	50	250	1500	6000	0.080	600
GS0805CG –6N8M	6.80	50	250	1000	5500	0.110	600
GS0805CG –8N2M	8.20	50	250	1000	4700	0.120	600
GS0805CG –12NK	12.00	50	250	500	4000	0.150	600
GS0805CG –15NK	15.00	50	250	500	3400	0.170	600
GS0805CG –18NK	18.00	50	250	500	3300	0.200	600
GS0805CG –22NK	22.00	55	250	500	2600	0.220	500
GS0805CG –27NK	27.00	55	250	500	2500	0.250	500
GS0805CG –33NJ	33.00	60	250	500	2050	0.270	500
GS0805CG –39NJ	39.00	60	250	500	2000	0.290	500
GS0805CG –47NJ	47.00	60	200	500	1650	0.310	500
GS0805CG –56NJ	56.00	60	200	500	1550	0.340	500
GS0805CG –68NJ	68.00	60	200	500	1450	0.380	500
GS0805CG –82NJ	82.00	65	150	500	1300	0.420	400
GS0805CG –R10J	100.00	65	150	500	1200	0.460	400
GS0805CG –R12J	120.00	50	150	250	1100	0.510	400
GS0805CG –R15J	150.00	50	100	250	920	0.560	400
GS0805CG –R18J	180.00	50	100	250	870	0.640	400
GS0805CG –R22J	220.00	40	100	250	850	0.700	400
GS0805CG –R27J	270.00	40	100	250	800	1.100	280
GS0805CG –R33J	330.00	40	100	250	750	1.200	260
GS0805CG –R39J	390.00	40	100	250	700	1.500	200
GS0805CG –R47J	470.00	40	100	100	650	2.500	170
GS0805CG –R56J	560.00	30	50	50	600	3.500	170
GS0805CG –R68J	680.00	30	50	50	550	4.000	170
GS0805CG –R82J	820.00	25	50	50	450	4.400	170
GS0805CG –1R0J	1000.00	25	50	50	350	4.700	150

※Operating Temp. : －40℃ ~ ＋125℃
※Storage Temperature&Humidity : ≦ 40℃ & 70% RH maximum

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SMD Wirewound Chip Open-Type Inductors GS0805FS(2012)

Electrical Characteristics for GS0805FS(2012) Series [GS0805FS(2012)系列電子特性規格]

Part Number 產 品 料 號	Inductance (μH) 電感值(L)	Q (min) 品質因數	Freq. (MHz) 測試頻率	SRF(MHz) (min) 共振頻率	DCR(Ω) (max) 直流阻抗	IDC(mA) (max) 定格電流
GS0805FS - R47□	0.47	20	25.2	375	0.95	500
GS0805FS - R56□	0.56	20	25.2	340	1.10	450
GS0805FS - R68□	0.68	20	25.2	288	1.20	400
GS0805FS - R82□	0.82	20	25.2	215	1.50	300
GS0805FS - 1R0□	1.00	20	25.2	200	2.13	180
GS0805FS - 1R2□	1.20	15	7.96	200	2.38	150
GS0805FS - 1R5□	1.50	15	7.96	200	2.90	130
GS0805FS - 1R8□	1.80	15	7.96	120	3.00	120
GS0805FS - 2R2□	2.20	15	7.96	110	3.10	110
GS0805FS - 2R7□	2.70	15	7.96	100	3.50	100
GS0805FS - 3R3□	3.30	15	7.96	70	2.30	210
GS0805FS - 3R9□	3.90	15	7.96	60	2.50	200
GS0805FS - 4R7□	4.70	15	7.96	50	2.80	180
GS0805FS - 5R6□	5.60	15	7.96	45	3.00	160
GS0805FS - 6R8□	6.80	15	7.96	45	3.20	130
GS0805FS - 8R2□	8.20	15	7.96	40	3.50	120
GS0805FS - 100□	10.00	15	2.52	40	5.00	80

※Operating Temp. : －40℃ ~ ＋125℃
※Storage Temperature&Humidity : ≦ 40℃ & 70% RH maximum