



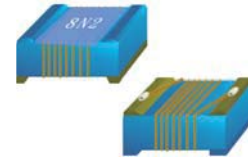
繞線高頻貼片電感
Wirewound Chip Open-type Inductor

TYPE: 0603 Series

Feature (特性)

- ◆ 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 directly on the ceramic core at a precision pitch
(高精度繞線產品)

Figure:



Applications

- ◆ Pager, Cordless phone & High Frequency Communication products
(呼叫器, 行動電話及高頻通訊設備等產品)
- ◆ GPS (衛星導航系統/北斗星導航系統)

ORDERING INFORMATION

Example: CG0603-2N0BS (0603-2.0 nH ±0.15nH Tin)

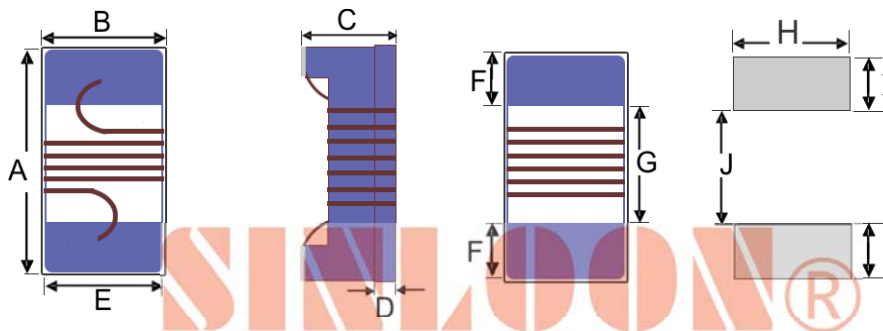
Size	Type	* ₁ Inductance	Tolerance		Terminal	Packing
1.8 x 1.2 x 1.25	CG0603	2.0~390 nH	A=±0.1nH	G= ±2%	* ₂ G	T=Taping
1.8 x 1.2 x 1.25	CS0603	1.6~470nH	B=±0.15nH	J= ±5%	* ₃ S	B=Bulk
2.29 x 1.73 x 1.52	CG0805	2.2~1000nH	C=±0.3nH	K= ±10%		
2.29 x 1.73 x 1.52	FS0805	0.47~10µH	D=±0.5nH	M= ±20%		

- *₁ Inductance: See Specification Part Number.
- *₂ G : Super-adhesion Molybdenum / Manganese with Gold overplating.
- *₃ S : Tin

DIMENSION

Unit: in mm

Type	A(max)	B (max)	C (max)	D (Ref.)	E	F	G	H	I	J
CG0603	1.80	1.20	1.25	0.50	1.0	0.33	0.86	1.02	0.64	0.64
CS0603	1.80	1.20	1.02	0.45	1.0	0.33	0.86	1.02	0.64	0.64
CG0805	2.29	1.73	1.52	0.51	1.3	0.51	1.02	1.78	1.02	0.76
FS0805	2.29	1.73	1.52	0.51	1.3	0.51	1.02	1.78	1.02	0.76



* Design as customer's requested specification, please contact us. (我們可依你的特殊需求設計和生產, 請聯絡我們)





□ Standard Electrical Specifications CG0603 (1608) Chip Inductor

Part Number CG0603 (1608) 貨編	Inductance (nH) 電感值(L)	* Tolerance 誤差值	Q (min) 品質因數	Freq. (MHz) 測試頻率	SRF(GHz) (min) 共振頻率	DCR(Ω) (max) 直流阻抗	IDC(mA) (max) 定格電流
CG0603-2N0□	2.0	B, C.	16	250	6900	0.080	700
CG0603-3N9□	3.9	B, C.	22	250	6900	0.080	700
CG0603-4N7□	4.7	B, C.	20	250	5800	0.110	700
CG0603-6N8□	6.8	B, J, K.	30	250	5800	0.110	700
CG0603-8N2□	8.2	B, J, K.	30	250	4600	0.110	700
CG0603-10N□	10	G, J, K.	30	250	4800	0.130	700
CG0603-12N□	12	G, J, K.	35	250	4000	0.130	700
CG0603-15N□	15	G, J, K.	35	250	4000	0.170	700
CG0603-18N□	18	G, J, K.	38	250	3100	0.170	700
CG0603-22N□	22	G, J, K.	38	250	3000	0.220	700
CG0603-27N□	27	G, J, K.	40	250	2800	0.220	600
CG0603-33N□	33	G, J, K.	43	250	2300	0.220	600
CG0603-39N□	39	G, J, K.	43	250	2200	0.250	600
CG0603-47N□	47	G, J, K.	40	200	2000	0.280	600
CG0603-56N□	56	G, J, K.	40	200	1900	0.310	600
CG0603-68N□	68	G, J, K.	40	200	1700	0.340	600
CG0603-72N□	72	G, J, K.	35	150	1700	0.490	400
CG0603-82N□	82	G, J, K.	35	150	1700	0.540	400
CG0603-R10□	100	G, J, K.	35	150	1400	0.630	400
CG0603-R12□	120	G, J, K.	35	150	1300	0.650	300
CG0603-R15□	150	G, J, K.	35	150	1000	0.920	280
CG0603-R18□	180	G, J, K.	30	100	1000	1.25	240
CG0603-R22□	220	G, J, K.	30	100	1000	1.700	200
CG0603-R27□	270	G, J, K.	30	100	900	1.800	170
CG0603-R33□	330	G, J, K.	25	100	500	2.000	150
CG0603-R39□	390	G, J, K.	20	100	350	2.000	170
Operating temperature: -40°C ~ 125°C							
IDC for 15°C Rise.							

* Tolerance : See page 1 [ORDERING INFORMATION].

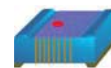




繞線高頻貼片電感

TYPE: CS-0603 Series

Wirewound Chip Open-type Inductor



□ Standard Electrical Specifications CS0603 (1608) Chip Inductor

Part Number CS0603 (1608) 貨編	Inductance (nH) 電感值(L)	* Tolerance 誤差值	Q (min) 品質因數	Freq. (MHz) 測試頻率	SRF(GHz) (min) 共振頻率	DCR(Ω) (max) 直流阻抗	IDC(mA) (max) 定格電流	Color Code 色標
CS0603-1N6	1.6	J.K.	24	250	12500	0.030	700	Red
CS0603-1N8	1.8	J.K.	16	250	12500	0.045	700	Black
CS0603-3N3	3.3	J.K.	30	250	5900	0.045	700	Blue
CS0603-3N6	3.6	J.K.	22	250	5900	0.063	700	Red
CS0603-3N9	3.9	J.K.	22	250	6900	0.080	700	Brown
CS0603-4N3	4.3	J.K.	22	250	5900	0.063	700	Yellow
CS0603-4N7	4.7	J.K.	20	250	5800	0.085	700	Violet
CS0603-5N1	5.1	J.K.	20	250	5700	0.115	700	Green
CS0603-5N6	5.6	J.K.	18	250	5800	0.160	700	Black
CS0603-6N3	6.3	J.K.	26	250	5700	0.115	700	White
CS0603-6N8	6.8	J.K.	27	250	5800	0.125	700	Red
CS0603-7N5	7.5	J.K.	28	250	4800	0.115	700	Brown
CS0603-8N2	8.2	J.K.	30	250	4700	0.125	700	Orange
CS0603-8N7	8.7	J.K.	28	250	4600	0.109	700	Yellow
CS0603-9N5	9.5	J.K.	28	250	5400	0.145	700	Blue
CS0603-10N	10	G.J.K.	31	250	4800	0.145	700	Orange
CS0603-11N	11	G.J.K.	30	250	4000	0.145	700	Gray
CS0603-12N	12	G.J.K.	35	250	4000	0.145	700	Yellow
CS0603-15N	15	G.J.K.	35	250	4000	0.180	700	Green
CS0603-16N	16	G.J.K.	34	250	3300	0.170	700	White
CS0603-18N	18	G.J.K.	35	250	3100	0.180	700	Blue
CS0603-22N	22	G.J.K.	38	250	3000	0.205	700	Violet
CS0603-23N	23	G.J.K.	38	250	2850	0.205	700	Orange
CS0603-24N	24	G.J.K.	36	250	2650	0.205	700	Black
CS0603-27N	27	G.J.K.	40	250	2800	0.220	600	Gray
CS0603-30N	30	G.J.K.	37	250	2250	0.220	600	Brown
CS0603-33N	33	G.J.K.	40	250	2300	0.240	600	White
CS0603-36N	36	G.J.K.	37	250	2080	0.250	600	Red
CS0603-39N	39	G.J.K.	40	250	2200	0.260	600	Black
CS0603-43N	43	G.J.K.	38	250	2000	0.280	600	Orange
CS0603-47N	47	G.J.K.	38	200	2000	0.280	600	Brown
CS0603-56N	56	G.J.K.	38	200	1900	0.310	600	Red
CS0603-68N	68	G.J.K.	37	200	1700	0.340	600	Orange
CS0603-72N	72	G.J.K.	34	150	1700	0.490	400	Yellow
CS0603-82N	82	G.J.K.	34	150	1700	0.540	400	Green
CS0603-91N	91	G.J.K.	34	150	1500	0.560	400	Brown
CS0603-R10	100	G.J.K.	34	150	1400	0.580	400	Blue
CS0603-R11	110	G.J.K.	32	150	1350	0.610	300	Violet
CS0603-R12	120	G.J.K.	32	150	1300	0.750	300	Gray
CS0603-R15	150	G.J.K.	28	150	990	0.920	280	White
CS0603-R18	180	G.J.K.	25	100	990	1.500	200	Orange
CS0603-R20	200	G.J.K.	25	100	900	1.700	200	Brown
CS0603-R22	220	G.J.K.	25	100	900	1.700	200	Brown
CS0603-R27	270	G.J.K.	24	100	900	2.450	170	Red
CS0603-R33	330	G.J.K.	25	100	900	2.750	100	Blue
CS0603-R47	470	G.J.K.	25	100	750	4.000	80	Green

Operating temperature: -40°C ~ 125°C

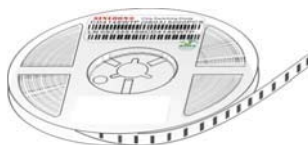
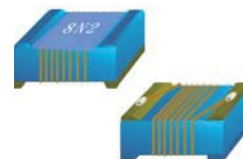
IDC for 15°C Rise.

* Tolerance : See page 1 [ORDERING INFORMATION].



PACKING

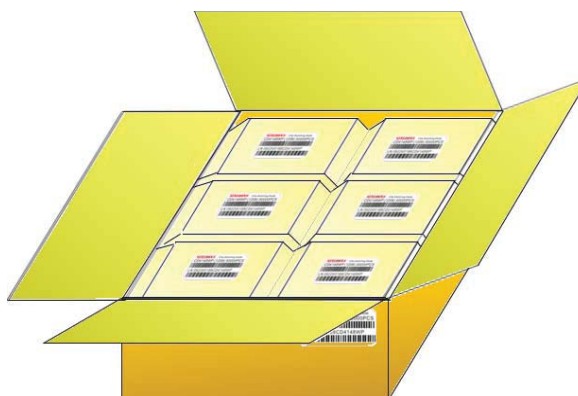
Size	Type	Quantity (ea)		
(1608)	CG0603	3,000 /Reel	100K / Inner Box	600K / Carton
(1608)	CS0603	4,000 /Reel	40K / Inner Box	240K / Carton
(2012)	CG0805	3,000 /Reel	40K / Inner Box	240K / Carton
(2012)	FS0805	3,000 /Reel	30K / Inner Box	180K / Carton



178mm / Reel Tape



Inner Box



Carton

※美隆公司產品規格及其特性參數的改變或更新恕不另行通知。

※Mayloon characteristic parameters of electronic product specification changes or updates without notice to improve .

