SINLOON®

繞線高頻貼片電感

TYPE: 1008 Series

Wirewound Chip Open-type Inductor

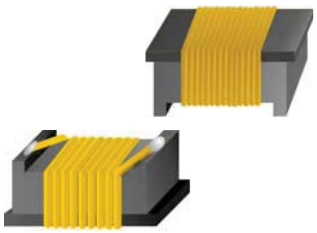
☐ Feature (特性)

◆ 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: CG1008-10NJS (1008 10μH ±5% Tin)

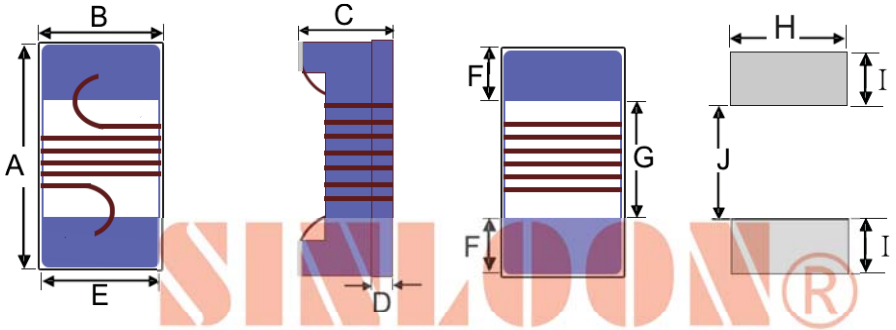
Size	Type	＊1 Inductance	Tolerance		Terminal	Packing
2.92 x 2.79 x 2.23	CG1008 (2520)	10 nH ~ 10 μH	A=±0.1nH	G= ±2%	＊2 G	T=Taping
2.92 x 2.79 x 2.23	FS1008 (2520)	1.0 μH ~ 100 μH	B=±0.15nH	J= ±5%	＊3 S	B=Bulk
3.2 x 2.5 x 2.2	CG1210 (3225)	4.7 nH ~ 2200 nH	C=±0.3nH	K= ±10%		
			D=±0.5nH	M= ±20%		

＊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
CG1008	2.92	2.79	2.23	0.51	2.0	0.51	1.52	2.54	1.02	1.27
FS1008	2.92	2.79	2.23	0.51	2.0	0.51	1.52	2.54	1.02	1.27
CG1210	3.20	2.5	2.2	0.5	0.5	---	---	2.8	1.15	1.7



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

品質承諾標誌
QUALITY COMMITMENT

SINLOON®

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

TYPE: CG-1008 Series

☐ Standard Electrical Specifications CG1005 (2520) Chip Inductor

Part Number CG1008 (2520) 貨編	Inductance (μH) 電感值(L)	＊ Tolerance 誤差值	Q (min) 品質因數	Freque (MHz) L 測試頻率	Freque (MHz) Q 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
CG1008-10N☐	10nH	J = ±5%	50	50	500	4100	0.080	1000
CG1008-12N☐	12nH	J = ±5%	50	50	500	3300	0.090	1000
CG1008-15N☐	15nH	J = ±5%	50	50	500	2500	0.110	1000
CG1008-18N☐	18nH	J = ±5%	50	50	350	2500	0.110	1000
CG1008-22N☐	22nH	J = ±5%	55	50	350	2400	0.120	1000
CG1008-27N☐	27nH	J = ±5%	55	50	350	1600	0.130	1000
CG1008-33N☐	33nH	J = ±5%	60	50	350	1600	0.140	1000
CG1008-39N☐	39nH	J = ±5%	60	50	350	1500	0.150	1000
CG1008-47N☐	47nH	J = ±5%	65	50	350	1500	0.160	1000
CG1008-56N☐	56nH	J = ±5%	65	50	350	1300	0.180	1000
CG1008-68N☐	68nH	J = ±5%	65	50	350	1300	0.200	1000
CG1008-82N☐	82nH	J = ±5%	60	50	350	1000	0.220	1000
CG1008-R10☐	0.10	J = ±5%	60	25	350	1000	0.560	650
CG1008-R12☐	0.12	J = ±5%	60	25	350	950	0.630	650
CG1008-R15☐	0.15	J = ±5%	45	25	100	850	0.700	580
CG1008-R18☐	0.18	J = ±5%	45	25	100	750	0.770	620
CG1008-R22☐	0.22	J = ±5%	45	25	100	700	0.840	500
CG1008-R27☐	0.27	J = ±5%	45	25	100	600	0.910	500
CG1008-R33☐	0.33	J = ±5%	45	25	100	570	1.050	450
CG1008-R39☐	0.39	J = ±5%	45	25	100	500	1.120	470
CG1008-R47☐	0.47	J = ±5%	45	25	100	450	1.190	470
CG1008-R56☐	0.56	J = ±5%	45	25	100	415	1.330	400
CG1008-R62☐	0.62	J = ±5%	45	25	100	375	1.400	300
CG1008-R68☐	0.68	J = ±5%	45	25	100	375	1.470	400
CG1008-R75☐	0.75	J = ±5%	45	25	100	360	1.540	360
CG1008-R82☐	0.82	J = ±5%	45	25	100	350	1.610	400
CG1008-R91☐	0.91	J = ±5%	35	25	50	320	1.680	380
CG1008-1R0☐	1.0	J = ±5%	35	25	50	290	1.750	370
CG1008-1R2☐	1.2	J = ±5%	35	7.9	50	250	2.000	310
CG1008-1R5☐	1.5	J = ±5%	28	7.9	50	200	2.300	330
CG1008-1R8☐	1.8	J = ±5%	25	7.9	50	150	2.600	300
CG1008-2R2☐	2.2	J = ±5%	25	7.9	50	130	2.800	280
CG1008-2R7☐	2.7	J = ±5%	22	7.9	25	100	3.200	290
CG1008-3R3☐	3.3	J = ±5%	22	7.9	25	80	3.400	290
CG1008-3R9☐	3.9	J = ±5%	20	7.9	25	70	3.600	260
CG1008-4R7☐	4.7	J = ±5%	15	7.9	25	60	4.000	260
CG1008-5R6☐	5.6	J = ±5%	20	7.9	7.9	55	7.000	200
CG1008-6R8☐	6.8	J = ±5%	20	7.9	7.9	45	8.000	180
CG1008-8R2☐	8.2	J = ±5%	20	7.9	7.9	35	9.500	150
CG1008-100☐	10.0	J = ±5%	20	7.9	7.9	25	12.000	100

＊Tolerance : See page 1 [ORDERING INFORMATION].

RoHS Compliant
品質承諾標誌
QUALITY COMMITMENT

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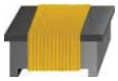
繞線高頻貼片電感

Wirewound Chip Open-type Inductor

TYPE: FS-1008 Series



☐ Standard Electrical Specifications FS1008 (2520) Chip Inductor

Part Number FS1008 (2520) 貨編	Inductance (μH) 電感值(L)	＊ Tolerance 誤差值	Q (min) 品質因數	Freque (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
FS1008-1R0☐	1.00	J=±5%	25	7.96	130	0.6	245
FS1008-1R2☐	1.20	J=±5%	25	7.96	120	0.8	230
FS1008-1R5☐	1.50	J=±5%	25	7.96	110	1	220
FS1008-1R8☐	1.80	J=±5%	25	7.96	100	1.2	210
FS1008-2R2☐	2.20	J=±5%	25	7.96	90	1.5	200
FS1008-2R7☐	2.70	J=±5%	25	7.96	90	1.7	195
FS1008-3R3☐	3.30	J=±5%	25	7.96	70	1.9	185
FS1008-3R9☐	3.90	J=±5%	25	7.96	60	2.1	180
FS1008-4R7☐	4.70	J=±5%	25	7.96	50	2.3	175
FS1008-5R6☐	5.60	J=±5%	25	7.96	40	2.5	170
FS1008-6R8☐	6.80	J=±5%	25	7.96	35	2.7	165
FS1008-8R2☐	8.20	J=±5%	25	7.96	30	3.1	160
FS1008-100☐	10.0	J=±5%	25	2.52	28	3.5	155
FS1008-120☐	12.0	J=±5%	25	2.52	26	3.8	150
FS1008-150☐	15.0	J=±5%	25	2.52	24	4.4	140
FS1008-180☐	18.0	J=±5%	25	2.52	22	4.8	130
FS1008-220☐	22.0	J=±5%	25	2.52	18	5.5	125
FS1008-270☐	27.0	J=±5%	25	2.52	15	6.3	115
FS1008-330☐	33.0	J=±5%	25	2.52	14	7.1	110
FS1008-390☐	39.0	J=±5%	25	2.52	13	9.5	90
FS1008-470☐	47.0	J=±5%	25	2.52	12	11.1	80
FS1008-560☐	56.0	J=±5%	20	2.52	10	12.1	75
FS1008-680☐	68.0	J=±5%	20	2.52	9	16.6	70
FS1008-820☐	82.0	J=±5%	20	2.52	8	19	66
FS1008-101☐	100.0	J=±5%	10	0.796	7	21	60

＊Tolerance : See page 1 [ORDERING INFORMATION].

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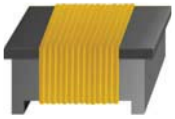
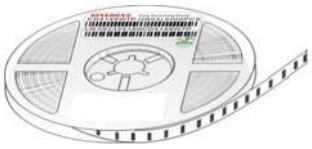
TYPE: 1008 Series

Wirewound Chip Open-type Inductor

☐ PACKING

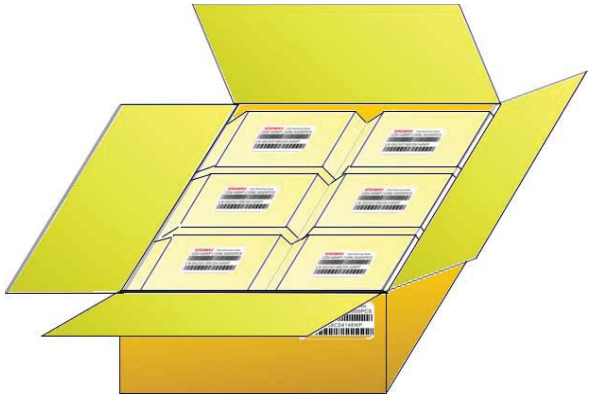
Size	Type	Quantity (ea)		
(1608)	CG0603	3,000 /Reel	100K / Inner Box	600K / Carton
(1608)	CS0603	4,000 /Reel	40K / Inner Box	240K / Carton
(2012)	CG0805	3,000 /Reel	40K / Inner Box	240K / Carton
(2012)	FS0805	3,000 /Reel	30K / Inner Box	180K / Carton
(2520)	CG1008	2,000 /Reel	20K / Inner Box	120K / Carton
(2520)	FS1008	2,000 /Reel	20K / Inner Box	120K / Carton





178mm / Reel Tape

Inner Box



Carton

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

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