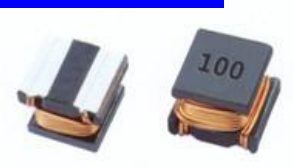
GCN Series



Features：

Miniature chip inductor wound on a special ferrite core

Small inductances for compact circuits

High Q at high frequencies

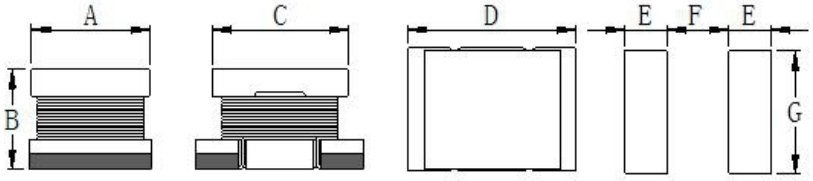
Low DC-resistance

Recommended solder profile: Reflow

Applications：

Ideal use in variety of DC-DC onverter inductor applications。Mobile Phone，PDA，Notebook，MP3，LCD monitors，LED。

Dimensions and Land Patterns.（UNIT: mm）



TYPE	A	B	C	D	E	F	G
GCN1206	1.7±0.3	2.0±0.3	2.3±0.2	3.2±0.2	1.00	1.25	1.75
GCN1210	3.0 Max	2.5 Max	2.8 Max	3.2±0.2	1.25	1.25	2.75
GCN1812	3.5 Max	3.0 Max	3.5±0.2	4.5±0.2	1.25	2.00	3.25
GCN2520	5.5 Max	5.5 Max	5.2 Max	6.5 Max	2.00	1.75	5.50

Operating temperature: –40 ºC to +125 ºC

Part Numbering

GCN 1206 K T 100

- 100 — Inductance Value: 100:10uH
- T — Packaging Code: Taping Reel
- K — Inductance Tolerance: K:±10% M: ±20%
- 1206 — Dimensions: 1206 1210 1812 2520
- GCN — Product Type

Electrical characteristics List

GCN1206 Series

PART No.	L(uH)	Tolerance	Test Condition	DCR (Ω)MAX	IDC (A)
GCN1206MT1R0	1.0	M	100KHZ/0.25V	0.011	1.400
GCN1206MT2R2	2.2	M	100KHZ/0.25V	0.183	1.150
GCN1206MT3R3	3.3	M	100KHZ/0.25V	0.299	0.886
GCN1206MT4R7	4.7	M	100KHZ/0.25V	0.413	0.800
GCN1206MT6R8	6.8	M	100KHZ/0.25V	0.608	0.710
GCN1206MT8R2	8.2	M	100KHZ/0.25V	0.702	0.570
GCN1206KT100	10	K	1KHZ/0.25V	0.726	0.470
GCN1206KT120	12	K	1KHZ/0.25V	0.850	0.450
GCN1206KT150	15	K	1KHZ/0.25V	1.170	0.410
GCN1206KT180	18	K	1KHZ/0.25V	1.340	0.375
GCN1206KT220	22	K	1KHZ/0.25V	1.430	0.340
GCN1206KT270	27	K	1KHZ/0.25V	2.080	0.320
GCN1206KT330	33	K	1KHZ/0.25V	2.330	0.300
GCN1206KT390	39	K	1KHZ/0.25V	2.990	0.270
GCN1206KT470	47	K	1KHZ/0.25V	3.320	0.250
GCN1206KT560	56	K	1KHZ/0.25V	3.640	0.225
GCN1206KT680	68	K	1KHZ/0.25V	4.680	0.190
GCN1206KT820	82	K	1KHZ/0.25V	6.370	0.160
GCN1206KT101	100	K	1KHZ/0.25V	7.020	0.150
GCN1206KT121	120	K	1KHZ/0.25V	9.750	0.140
GCN1206KT151	150	K	1KHZ/0.25V	10.70	0.120

Tel：86-512-89162980 Fax：86-512-65859232 E-mail：mark@gujingchina.com http://www.gujingcoil.com

Electrical characteristics List

GCN1210 Series

PART No.	L(uH)	Tolerance	Test Condition	DCR (Ω)MAX	IDC (A)
GCN1210MT1R0	1.0	M	100KHZ/0.25V	0.082	2.100
GCN1210MT1R5	1.5	M	100KHZ/0.25V	0.094	1.850
GCN1210MT1R8	1.8	M	100KHZ/0.25V	0.108	1.660
GCN1210MT2R2	2.2	M	100KHZ/0.25V	0.122	1.400
GCN1210MT2R7	2.7	M	100KHZ/0.25V	0.125	1.270
GCN1210MT3R3	3.3	M	100KHZ/0.25V	0.164	1.200
GCN1210MT3R9	3.9	M	100KHZ/0.25V	0.190	1.100
GCN1210MT4R7	4.7	M	100KHZ/0.25V	0.247	0.950
GCN1210MT5R6	5.6	M	100KHZ/0.25V	0.260	0.885
GCN1210MT6R8	6.8	M	100KHZ/0.25V	0.351	0.810
GCN1210MT8R2	8.2	M	100KHZ/0.25V	0.429	0.728
GCN1210KT100	10	K	1KHZ/0.25V	0.468	0.675
GCN1210KT120	12	K	1KHZ/0.25V	0.546	0.600
GCN1210KT150	15	K	1KHZ/0.25V	0.598	0.560
GCN1210KT180	18	K	1KHZ/0.25V	0.754	0.510
GCN1210KT220	22	K	1KHZ/0.25V	0.884	0.460
GCN1210KT230	23	K	1KHZ/0.25V	0.884	0.440
GCN1210KT270	27	K	1KHZ/0.25V	0.975	0.410
GCN1210KT330	33	K	1KHZ/0.25V	1.370	0.368
GCN1210KT390	39	K	1KHZ/0.25V	1.560	0.340
GCN1210KT470	47	K	1KHZ/0.25V	2.080	0.310
GCN1210KT560	56	K	1KHZ/0.25V	2.290	0.270
GCN1210KT680	68	K	1KHZ/0.25V	2.400	0.247
GCN1210KT820	82	K	1KHZ/0.25V	3.610	0.230
GCN1210KT101	100	K	1KHZ/0.25V	4.160	0.215
GCN1210KT121	120	K	1KHZ/0.25V	5.070	0.195
GCN1210KT151	150	K	1KHZ/0.25V	5.670	0.168
GCN1210KT181	180	K	1KHZ/0.25V	7.800	0.155
GCN1210KT221	220	K	1KHZ/0.25V	8.710	0.145
GCN1210KT271	270	K	1KHZ/0.25V	11.700	0.125
GCN1210KT331	330	K	1KHZ/0.25V	14.690	0.118
GCN1210KT391	390	K	1KHZ/0.25V	16.120	0.100
GCN1210KT471	470	K	1KHZ/0.25V	18.200	0.093
GCN1210KT561	560	K	1KHZ/0.25V	20.150	0.086
GCN1210KT681	680	K	1KHZ/0.25V	27.300	0.077
GCN1210KT821	820	K	1KHZ/0.25V	31.200	0.060

Electrical characteristics List

GCN1812 Series

PART No.	L(uH)	Tolerance	Test Condition	DCR (Ω)MAX	IDC (A)
GCN1812MT1R0	1.0	M	100KHZ/0.25V	0.085	2.700
GCN1812MT1R5	1.5	M	100KHZ/0.25V	0.093	2.590
GCN1812MT1R8	1.8	M	100KHZ/0.25V	0.101	2.410
GCN1812MT2R2	2.2	M	100KHZ/0.25V	0.108	2.250
GCN1812MT2R7	2.7	M	100KHZ/0.25V	0.127	2.000
GCN1812MT3R3	3.3	M	100KHZ/0.25V	0.143	1.800
GCN1812MT3R9	3.9	M	100KHZ/0.25V	0.150	1.650
GCN1812MT4R7	4.7	M	100KHZ/0.25V	0.182	1.600
GCN1812MT5R6	5.6	M	100KHZ/0.25V	0.215	1.450
GCN1812MT6R8	6.8	M	100KHZ/0.25V	0.204	1.350
GCN1812MT8R2	8.2	M	100KHZ/0.25V	0.273	1.150
GCN1812KT100	10	K	1KHZ/0.25V	0.286	1.000
GCN1812KT120	12	K	1KHZ/0.25V	0.325	0.960
GCN1812KT150	15	K	1KHZ/0.25V	0.390	0.900
GCN1812KT180	18	K	1KHZ/0.25V	0.442	0.880
GCN1812KT220	22	K	1KHZ/0.25V	0.546	0.860
GCN1812KT270	27	K	1KHZ/0.25V	0.728	0.810
GCN1812KT330	33	K	1KHZ/0.25V	0.819	0.770
GCN1812KT390	39	K	1KHZ/0.25V	1.080	0.680
GCN1812KT470	47	K	1KHZ/0.25V	1.250	0.590
GCN1812KT560	56	K	1KHZ/0.25V	1.300	0.500
GCN1812KT680	68	K	1KHZ/0.25V	1.560	0.440
GCN1812KT820	82	K	1KHZ/0.25V	1.950	0.390
GCN1812KT101	100	K	1KHZ/0.25V	2.210	0.360
GCN1812KT121	120	K	1KHZ/0.25V	2.470	0.330
GCN1812KT151	150	K	1KHZ/0.25V	2.950	0.290
GCN1812KT181	180	K	1KHZ/0.25V	3.080	0.270
GCN1812KT221	220	K	1KHZ/0.25V	4.250	0.235
GCN1812KT271	270	K	1KHZ/0.25V	4.980	0.210
GCN1812KT331	330	K	1KHZ/0.25V	7.600	0.180
GCN1812KT391	390	K	1KHZ/0.25V	8.230	0.170
GCN1812KT471	470	K	1KHZ/0.25V	8.840	0.160
GCN1812KT561	560	K	1KHZ/0.25V	9.880	0.145
GCN1812KT681	680	K	1KHZ/0.25V	11.70	0.130
GCN1812KT821	820	K	1KHZ/0.25V	13.00	0.115

Electrical characteristics List
GCN2520 Series

PART No.	L(uH)	Tolerance	Test Condition	DCR (Ω)MAX	IDC (A)
GCN2520MT1R0	1.0	M	100KHZ/0.25V	0.029	3.800
GCN2520MT1R5	1.5	M	100KHZ/0.25V	0.046	3.000
GCN2520MT1R8	1.8	M	100KHZ/0.25V	0.051	2.700
GCN2520MT2R2	2.2	M	100KHZ/0.25V	0.057	2.500
GCN2520MT3R3	3.3	M	100KHZ/0.25V	0.068	2.350
GCN2520MT3R9	3.9	M	100KHZ/0.25V	0.073	2.250
GCN2520MT4R7	4.7	M	100KHZ/0.25V	0.081	2.000
GCN2520MT5R6	5.6	M	100KHZ/0.25V	0.104	1.800
GCN2520MT6R8	6.8	M	100KHZ/0.25V	0.114	1.700
GCN2520MT8R2	8.2	M	100KHZ/0.25V	0.138	1.650
GCN2520KT100	10	K	1KHZ/0.25V	0.150	1.500
GCN2520KT120	12	K	1KHZ/0.25V	0.176	1.400
GCN2520KT150	15	K	1KHZ/0.25V	0.215	1.300
GCN2520KT180	18	K	1KHZ/0.25V	0.254	1.230
GCN2520KT220	22	K	1KHZ/0.25V	0.296	1.180
GCN2520KT270	27	K	1KHZ/0.25V	0.332	1.100
GCN2520KT330	33	K	1KHZ/0.25V	0.390	0.980
GCN2520KT390	39	K	1KHZ/0.25V	0.468	0.900
GCN2520KT470	47	K	1KHZ/0.25V	0.598	0.860
GCN2520KT560	56	K	1KHZ/0.25V	0.683	0.825
GCN2520KT680	68	K	1KHZ/0.25V	0.936	0.720
GCN2520KT820	82	K	1KHZ/0.25V	1.020	0.690
GCN2520KT101	100	K	1KHZ/0.25V	1.130	0.630
GCN2520KT121	120	K	1KHZ/0.25V	1.690	0.540
GCN2520KT151	150	K	1KHZ/0.25V	1.820	0.450
GCN2520KT181	180	K	1KHZ/0.25V	2.080	0.400
GCN2520KT221	220	K	1KHZ/0.25V	2.600	0.330
GCN2520KT271	270	K	1KHZ/0.25V	2.990	0.315
GCN2520KT331	330	K	1KHZ/0.25V	3.320	0.300
GCN2520KT391	390	K	1KHZ/0.25V	4.810	0.270
GCN2520KT471	470	K	1KHZ/0.25V	5.330	0.255
GCN2520KT561	560	K	1KHZ/0.25V	7.220	0.235
GCN2520KT681	680	K	1KHZ/0.25V	8.090	0.215
GCN2520KT821	820	K	1KHZ/0.25V	11.100	0.190
GCN2520KT102	1000	K	1KHZ/0.25V	12.100	0.168