

# Wire Wound Chip Ferrite Inductors

## FERRITE INDUCTORS

# PRODUCT CATALOG



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# Wire Wound Chip Ferrite Inductors

## ◎ Product introduction 產品介紹

- Core winding way, Q value is high

鐵芯繞線，高Q值

- Excellent Q factor characteristics

優良的品質因數



- Withstand high current, low DC resistance

產品承受大電流，低直流電阻

- Terminal electrode has been electroplated, suitable flow soldering, reflow soldering an arbitrary welding method

端子電極已經過電鍍，可適用流動焊接，回流焊接任意一種焊接工法

## ◎ Product application 產品應用

- Electronic equipment information processing system

電子設備信息處理系統

## ◎ Product Identification 產品標識

CG 03 - 1R2 K T

CG-----Series name 系列名稱

03-----Dimension 產品尺寸

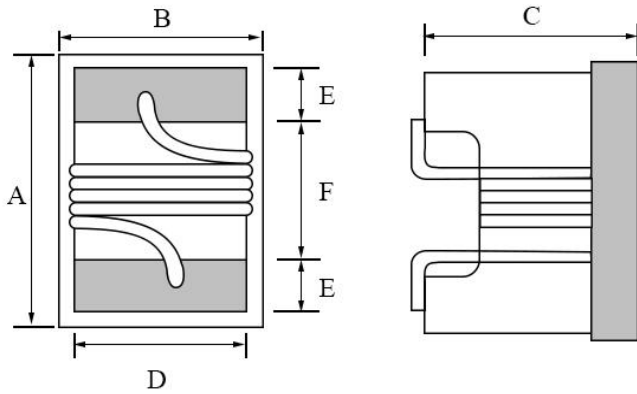
1R2-----Inductance 電感值【1R2=1.2 $\mu$ H, 120=12 $\mu$ H】

K-----Tolerance 公差【S=±0.3, D=±0.5, J=5%, K=10%, M= 20%】

T-----Taping 編帶盤裝

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## ◎Shape&Dimensions 形狀與尺寸:

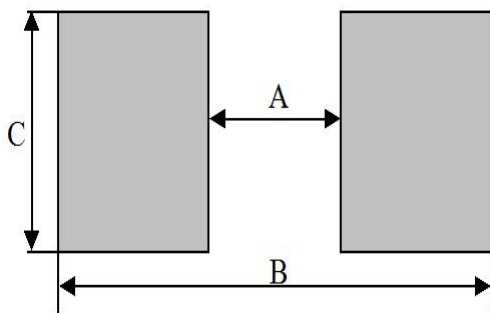


UNIT: mm

PART NUMBER	A	B	C	D	E	F	CHIPS REEL
CG03	1.80 max	1.15 max	1.10 max	0.85 max	0.40 max	0.95 max	4K
CG05	2.30 max	1.70 max	1.45 max	1.40 max	0.60 max	1.05 max	4K
CG08	2.80 max	2.70 max	2.10 max	2.20 max	0.60 max	1.50 max	3K
CG10	3.5 max	2.90 max	2.25 max	2.50 max	0.60 max	2.20 max	2K
CG12	4.8 max	3.40 max	3.20 max	2.65 max	0.70 max	3.00 max	1K

## ◎Recommender Land Pattern 推薦焊盤布局:

UNIT: mm



PART NUMBER	A	B	C
CG03	0.30	2.10	1.30
CG05	0.55	2.70	2.10
CG08	0.70	3.50	3.20
CG10	1.00	4.40	3.50
CG12	1.90	5.50	4.00

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ORDERING CORE	Inductance ( $\mu$ H)	Inductance Tolerance	L、Q Test Frequencyz (MHz)	Q (Min)	SRF(MHz) MIN	RDC (MAX) ( $\Omega$ )	Rated Current Max(A)
CG03-1R0	1.0	J / K	7.96	10	240	0.75	0.30
CG03-1R2	1.2	J / K	7.96	10	210	0.80	0.29
CG03-1R5	1.5	J / K	7.96	10	190	0.87	0.28
CG03-1R8	1.8	J / K	7.96	10	170	0.90	0.28
CG03-2R2	2.2	J / K	7.96	10	150	1.20	0.25
CG03-2R7	2.7	J / K	7.96	10	135	1.35	0.24
CG03-3R3	3.3	J / K	7.96	10	120	1.46	0.22
CG03-3R9	3.9	J / K	7.96	10	105	1.56	0.20
CG03-4R7	4.7	J / K	7.96	8	90	1.90	0.19
CG03-5R6	5.6	J / K	7.96	8	80	2.20	0.18
CG03-6R8	6.8	J / K	7.96	6	65	2.60	0.15
CG03-8R2	8.2	J / K	7.96	6	50	4.00	0.13
CG03-100	10.0	J / K	7.96	5	40	5.50	0.10

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CG05-1R2	1.2	J / K	7.96	15	350	1.05	0.17
CG05-1R5	1.5	J / K	7.96	15	300	1.20	0.17
CG05-1R8	1.8	J / K	7.96	15	260	1.35	0.17
CG05-2R2	2.2	J / K	7.96	15	200	1.50	0.40
CG05-2R7	2.7	J / K	7.96	15	160	1.70	0.38
CG05-3R3	3.3	J / K	7.96	15	130	1.80	0.36
CG05-3R9	3.9	J / K	7.96	15	115	1.95	0.34
CG05-4R7	4.7	J / K	7.96	15	105	2.05	0.32
CG05-5R6	5.6	J / K	7.96	15	80	2.30	0.17
CG05-6R8	6.8	J / K	7.96	15	70	2.60	0.16
CG05-7R5	7.5	J / K	7.96	15	60	2.80	0.15
CG05-8R2	8.2	J / K	7.96	15	55	3.00	0.14
CG05-100	10.0	J / K	2.52	10	40	3.20	0.14
CG05-150	15.0	J / K	2.52	8	16	4.00	0.10

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CG08-1R0	1.0	J / K	7.96	20	250	0.78	0.420
CG08-1R2	1.2	J / K	7.96	20	250	0.75	0.420
CG08-1R5	1.5	J / K	7.96	20	230	0.80	0.320
CG08-1R8	1.8	J / K	7.96	20	210	0.95	0.260
CG08-2R2	2.2	J / K	7.96	20	150	1.30	0.250
CG08-2R7	2.7	J / K	7.96	20	125	1.40	0.240
CG08-3R3	3.3	J / K	7.96	20	90	1.50	0.230
CG08-3R9	3.9	J / K	7.96	20	85	1.55	0.210
CG08-4R7	4.7	J / K	7.96	20	55	1.75	0.200
CG08-5R6	5.6	J / K	7.96	18	50	1.90	0.190
CG08-6R8	6.8	J / K	7.96	18	50	2.00	0.175
CG08-8R2	8.2	J / K	7.96	18	30	2.20	0.160
CG08-100	10.0	J / K	2.52	15	30	2.50	0.155
CG08-150	15.0	J / K	2.52	15	23	3.00	0.130
CG08-220	22.0	J / K	2.52	15	23	3.90	0.105
CG08-330	33.0	J / K	2.52	12	8	4.80	0.085
CG08-470	47.0	J / K	2.52	12	7	5.70	0.060
CG08-680	68.0	J / K	2.52	12	7.1	6.70	0.050
CG08-101	100.0	J / K	1.00	10	4.5	11.00	0.040

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CG10-1R0	1.0	J / K	7.96	15	210	0.30	0.450
CG10-1R2	1.2	J / K	7.96	15	210	0.30	0.450
CG10-1R5	1.5	J / K	7.96	15	200	0.40	0.450
CG10-1R8	1.8	J / K	7.96	15	195	0.50	0.450
CG10-2R2	2.2	J / K	7.96	15	175	0.60	0.450
CG10-2R7	2.7	J / K	7.96	15	120	0.70	0.420
CG10-3R3	3.3	J / K	7.96	15	100	1.10	0.380
CG10-3R9	3.9	J / K	7.96	15	90	1.20	0.360
CG10-4R7	4.7	J / K	7.96	15	85	1.30	0.350
CG10-5R6	5.6	J / K	7.96	15	55	2.00	0.320
CG10-6R8	6.8	J / K	7.96	15	50	1.50	0.310
CG10-8R2	8.2	J / K	7.96	15	40	1.60	0.305
CG10-100	10	J / K	2.52	15	40	1.00	0.300
CG10-120	12	J / K	2.52	15	28	1.20	0.265
CG10-150	15	J / K	2.52	15	22	2.00	0.225
CG10-180	22	J / K	2.52	15	22	2.10	0.210
CG10-200	22	J / K	2.52	15	22	2.20	0.200
CG10-220	22	J / K	2.52	15	22	2.20	0.200
CG10-270	33	J / K	2.52	15	20	2.60	0.180
CG10-330	33	J / K	2.52	15	15	3.30	0.160
CG10-390	39	J / K	2.52	15	16	4.20	0.150
CG10-470	47	J / K	2.52	15	10	4.80	0.140
CG10-560	68	J / K	2.52	15	8	5.10	0.125
CG10-680	68	J / K	2.52	12	5	5.30	0.110
CG10-820	100	J / K	1.00	12	5	5.60	0.100
CG10-101	100	J / K	1.00	12	5	6.80	0.095
CG10-121	120	J / K	1.00	12	4	7.50	0.085
CG10-151	150	J / K	1.00	12	4	8.20	0.080
CG10-181	180	J / K	1.00	12	3	14.00	0.070
CG10-221	220	J / K	1.00	10	2.6	15.30	0.065
CG10-271	270	J / K	1.00	10	2.5	16.40	0.060
CG10-331	330	J / K	1.00	10	2.3	19.00	0.055
CG10-391	390	J / K	1.00	10	2.2	20.50	0.045
CG10-471	470	J / K	1.00	10	2	22.50	0.040

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CG12-1R0	1.0	J / K	7.96	25	200	0.22	0.75
CG12-1R2	1.2	J / K	7.96	30	200	0.30	1.00
CG12-1R5	1.5	J / K	7.96	30	180	0.32	1.00
CG12-1R8	1.8	J / K	7.96	35	180	0.35	0.95
CG12-2R2	2.2	J / K	7.96	35	160	0.37	0.90
CG12-2R7	2.7	J / K	7.96	35	150	0.37	0.85
CG12-3R3	3.3	J / K	7.96	35	145	0.48	0.80
CG12-3R9	3.9	J / K	7.96	35	135	0.60	0.75
CG12-4R7	4.7	J / K	7.96	35	120	1.00	0.70
CG12-5R6	5.6	J / K	7.96	30	110	0.55	0.65
CG12-6R8	6.8	J / K	7.96	30	80	0.80	0.60
CG12-8R2	8.2	J / K	7.96	25	70	0.82	0.60
CG12-100	10	J / K	2.52	20	65	1.00	0.55
CG12-120	12	J / K	2.52	20	55	1.00	0.55
CG12-150	15	J / K	2.52	18	42	1.20	0.50
CG12-180	22	J / K	2.52	18	19	1.20	0.40
CG12-220	22	J / K	2.52	18	20	1.30	0.45
CG12-270	33	J / K	2.52	18	20	1.50	0.40
CG12-330	33	J / K	2.52	18	18	1.70	0.35
CG12-390	39	J / K	2.52	18	14	1.80	0.35
CG12-470	47	J / K	2.52	16	10	2.00	0.30
CG12-560	68	J / K	2.52	16	10	2.20	0.29
CG12-680	68	J / K	2.52	12	5.4	2.40	0.26
CG12-820	100	J / K	2.52	12	5.2	2.80	0.24
CG12-101	100	J / K	0.796	12	4.0	3.00	0.22
CG12-121	120	J / K	0.796	10	3.3	3.30	0.22
CG12-151	150	J / K	0.796	10	3.0	3.70	0.20
CG12-181	180	J / K	0.796	10	3.0	4.00	0.20
CG12-221	220	J / K	0.796	10	2.5	7.00	0.17
CG12-271	270	J / K	0.796	10	2.2	7.60	0.16
CG12-331	330	J / K	0.796	10	2.0	8.50	0.13
CG12-391	390	J / K	0.796	8	1.8	9.20	0.11
CG12-471	470	J / K	0.796	8	1.6	10.40	0.10
CG12-561	560	J / K	0.796	8	1.5	12.00	0.09
CG12-681	680	J / K	0.796	8	1.5	14.00	0.08
CG12-751	750	J / K	0.796	8	1.5	14.50	0.07
CG12-821	820	J / K	0.796	8	1.5	15.00	0.06
CG12-102	1000	J / K	0.252	8	1.4	16.50	0.05