

# Multilayer Chip Ceramics Inductors

## ◎ Product introduction 產品介紹

- Excellent solderability and heat resistance for either flow or reflow soldering

良好的可焊性和耐焊性

- Excellent Q factor and SRF characteristics

優良的品質因數和超導特性

- Using entirely monolithic structure, to achieve high reliability

採用完全單片結構，實現了高可靠性

- Terminal electrode has been electroplated, suitable for flow soldering, reflow soldering or any other 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

- Informatron technology equipment, computers, telecommunications, radar detectors, automotive electronics cellular phones.

計算機，信息技術設備，通信，雷達，控測器，汽車電子等產品。

## ◎ Product Identification 產品標識

CM 0402 - 1N5 K T

CM-----Series name 系列名稱

0402-----Dimension 產品尺寸

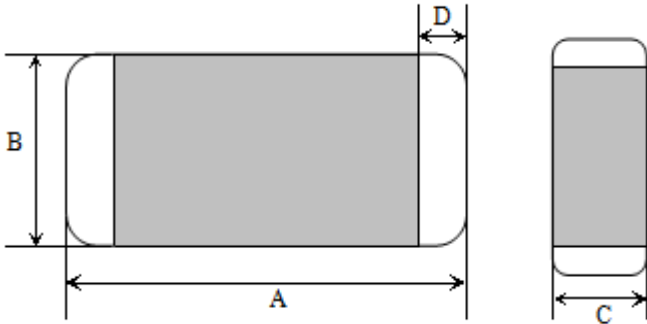
1N5-----Inductance 電感值【1N5=1.5nH, 15N=15nH, R15=150nH】

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:

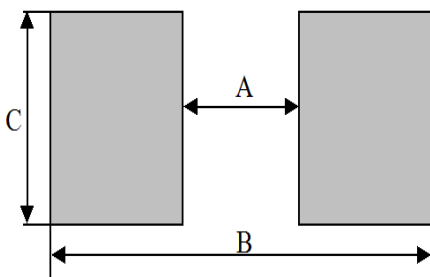


UNIT: mm

SIZE CODE (inch)	A	B	C	D	CHIPS REEL
0402	1.00±0.10	0.50±0.10	0.50±0.10	0.25±0.10	10K
0603	1.60±0.20	0.80±0.20	0.80±0.20	0.30±0.20	4K
0805	2.00±0.20	1.20±0.20	0.90±0.20	0.50±0.30	4K

## ◎Recommender Land Pattern 推薦焊盤布局:

UNIT: mm



SIZE CODE	A	B	C
0402	0.4	1.2-1.4	0.6-0.8
0603	0.7-0.8	1.8-2.0	0.6-0.8
0805	1.0-1.2	2.6-4.0	1.0-1.2

# Multilayer Chip Ceramics Inductors

## ◎ Detailed specifications and parameters are introduced

### 詳細規格及參數介紹

ORDERING CORE	Inductance (nH)	Tolerance (±%)	Q (Min)	SRF(MHz) MIN	RDC (MAX) (Ω)	Rated Current Max(A)
CM0402-1N0	1.00	S/D	7	> 3000	0.10	0.4
CM0402-1N2	1.20	S/D	7	> 3000	0.10	0.4
CM0402-1N5	1.50	S/D	8	> 3000	0.13	0.4
CM0402-1N8	1.80	S/D	8	> 3000	0.14	0.4
CM0402-2N2	2.20	S/D	8	> 3000	0.16	0.4
CM0402-2N7	2.70	S/D	8	> 3000	0.17	0.4
CM0402-3N3	3.30	S/D	8	> 3000	0.19	0.4
CM0402-3N9	3.90	S/D	8	> 3000	0.22	0.4
CM0402-4N7	4.70	S/D	8	> 3000	0.25	0.4
CM0402-5N6	5.60	S/D	8	> 3000	0.29	0.4
CM0402-6N8	6.80	J/K	8	3000	0.32	0.3
CM0402-8N2	8.20	J/K	8	2800	0.39	0.3
CM0402-10N	10.00	J/K	8	2500	0.50	0.3
CM0402-12N	12.00	J/K	8	2000	0.60	0.3
CM0402-15N	15.00	J/K	8	2000	0.65	0.3
CM0402-18N	18.00	J/K	8	1900	0.75	0.3
CM0402-22N	22.00	J/K	8	1800	0.80	0.2
CM0402-27N	27.00	J/K	8	1500	0.90	0.2
CM0402-33N	33.00	J/K	8	1300	1.00	0.2
CM0402-39N	39.00	J/K	8	1200	1.20	0.15
CM0402-47N	47.00	J/K	8	1100	1.30	0.15
CM0402-56N	56.00	J/K	8	1000	1.60	0.15
CM0402-68N	68.00	J/K	8	800	2.10	0.15
CM0402-82N	82.00	J/K	8	750	2.40	0.15
CM0402-R10	100.00	J/K	8	700	2.60	0.15

L/Q Test Frequency(MHZ):100MHZ

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ORDERING CORE	Inductance (nH)	Tolerance (±%)	Q (Min)	SRF(MHz) MIN	RDC (MAX) (Ω)	Rated Current Max(A)
CM0603-1N0	1.00	S/D	7	>3000	0.15	0.5
CM0603-1N2	1.20	S/D	7	>3000	0.15	0.5
CM0603-1N5	1.50	S/D	8	>3000	0.15	0.5
CM0603-1N8	1.80	S/D	8	>3000	0.20	0.5
CM0603-2N2	2.20	S/D	8	>3000	0.20	0.5
CM0603-2N7	2.70	S/D	8	>3000	0.20	0.5
CM0603-3N3	3.30	S/D	8	>3000	0.20	0.5
CM0603-3N9	3.90	S/D	8	>3000	0.20	0.5
CM0603-4N7	4.70	S/D	8	>3000	0.20	0.5
CM0603-5N6	5.60	S/D	8	>3000	0.30	0.5
CM0603-6N8	6.80	J/K	8	>3000	0.30	0.5
CM0603-8N2	8.20	J/K	8	>3000	0.30	0.5
CM0603-10N	10.00	J/K	8	>3000	0.50	0.3
CM0603-12N	12.00	J/K	8	>3000	0.50	0.3
CM0603-15N	15.00	J/K	8	>3000	0.60	0.3
CM0603-18N	18.00	J/K	8	>3000	0.60	0.3
CM0603-22N	22.00	J/K	8	>3000	0.60	0.3
CM0603-27N	27.00	J/K	8	>3000	0.80	0.3
CM0603-33N	33.00	J/K	8	>3000	0.80	0.3
CM0603-39N	39.00	J/K	8	2500	0.80	0.3
CM0603-47N	47.00	J/K	8	2400	1.00	0.3
CM0603-56N	56.00	J/K	8	2200	1.00	0.3
CM0603-68N	68.00	J/K	8	1000	1.00	0.3
CM0603-82N	82.00	J/K	8	800	1.00	0.3
CM0603-R10	100.00	J/K	8	700	1.00	0.3

L/Q Test Frequency(MHZ):100MHZ

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ORDERING CORE	Inductance (nH)	Tolerance (±%)	Q (Min)	SRF(MHz) MIN	RDC (MAX) (Ω)	Rated Current Max(A)
CM0603-R12	120.00	J/K	8	600	1.40	0.3
CM0603-R15	150.00	J/K	8	500	1.40	0.3
CM0603-R18	180.00	J/K	8	400	1.60	0.3
CM0603-R22	220.00	J/K	8	350	1.80	0.3
CM0603-R27	270.00	J/K	8	300	1.80	0.3

L/Q Test Frequency(MHZ):50MHZ

# Multilayer Chip Ceramics Inductors

## ◎ Detailed specifications and parameters are introduced

### 詳細規格及參數介紹

ORDERING CORE	Inductance (nH)	Tolerance (±%)	Q (Min)	SRF(MHz) MIN	RDC (MAX) (Ω)	Rated Current Max(A)
CM0805-1N0	1.00	S/D	10	>3000	0.10	0.6
CM0805-1N2	1.20	S/D	10	>3000	0.10	0.6
CM0805-1N5	1.50	S/D	10	>3000	0.10	0.6
CM0805-1N8	1.80	S/D	10	>3000	0.10	0.6
CM0805-2N2	2.20	S/D	10	>3000	0.10	0.6
CM0805-2N7	2.70	S/D	10	>3000	0.10	0.6
CM0805-3N3	3.30	S/D	10	>3000	0.13	0.6
CM0805-3N9	3.90	S/D	10	>3000	0.15	0.6
CM0805-4N7	4.70	S/D	10	>3000	0.20	0.4
CM0805-5N6	5.60	S/D	10	>3000	0.23	0.4
CM0805-6N8	6.80	J/K	10	>3000	0.25	0.4
CM0805-8N2	8.20	J/K	10	>3000	0.28	0.4
CM0805-10N	10.00	J/K	10	2500	0.30	0.3
CM0805-12N	12.00	J/K	10	2400	0.35	0.3
CM0805-15N	15.00	J/K	10	2000	0.40	0.3
CM0805-18N	18.00	J/K	10	1750	0.45	0.3
CM0805-22N	22.00	J/K	10	1700	0.50	0.3
CM0805-27N	27.00	J/K	10	1550	0.55	0.3
CM0805-33N	33.00	J/K	10	1350	0.60	0.3
CM0805-39N	39.00	J/K	13	1300	0.65	0.3
CM0805-47N	47.00	J/K	10	1200	0.70	0.3
CM0805-56N	56.00	J/K	15	1150	0.75	0.3
CM0805-68N	68.00	J/K	15	1000	0.80	0.3
CM0805-82N	82.00	J/K	15	850	0.90	0.3
CM0805-R10	100.00	J/K	15	600	1.00	0.3

L/Q Test Frequency(MHZ):100MHZ

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ORDERING CORE	Inductance (nH)	Tolerance (±%)	Q (Min)	SRF(MHz) MIN	RDC (MAX) (Ω)	Rated Current Max(A)
CM0805-R12	120.00	J/K	13	500	1.50	0.3
CM0805-R15	150.00	J/K	13	500	1.50	0.3
CM0805-R18	180.00	J/K	13	400	2.10	0.3
CM0805-R22	220.00	J/K	13	350	3.00	0.2
CM0805-R27	270.00	J/K	13	300	3.00	0.2
CM0805-R33	330.00	J/K	12	300	3.00	0.2
CM0805-R39	390.00	J/K	12	250	3.50	0.2
CM0805-R47	470.00	J/K	12	200	3.50	0.2

L/Q Test Frequency(MHZ):50MHZ