岑科科技(深圳)集团有限公司
SHENZHEN CENKER TECHNOLOGY GROUP CO.,LTD.

Multilayer Ceramic Chip Inductors CKCI Series
叠层陶瓷电感 CKCI系列

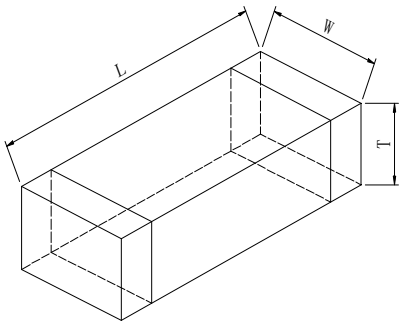
● FEATURES 特性

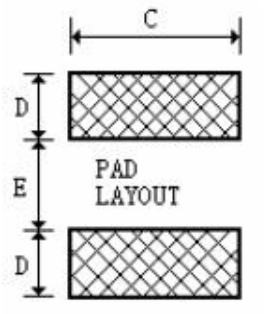
1. Monolithic structure for high reliability.
   整体结构，可靠性高。
2. High self-resonant frequency.
   高自谐振频率。
3. Excellent solderability and high heat resistance for either wave flow or reflow soldering.
   可焊性好，耐热性高，适用于波峰焊或回流焊。

● APPLICATIONS 用途

For high frequency applications including cellular phone, pager, computer, digital wireless phone.
用于手机、寻呼机、计算机、数字无线电话等高频应用。

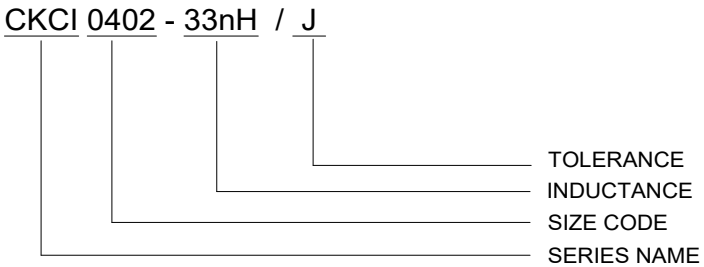
● SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)





TYPE	L	W	T	a	C	D	E
0402	1.0±0.15	0.5±0.15	0.5±0.15	0.25±0.1	0.6	0.5	0.4
0603	1.6±0.20	0.8±0.20	0.8±0.20	0.3±0.2	1.0	0.6	0.8
0805	2.0±0.20	1.2±0.20	0.9±0.20	0.5±0.3	1.4	0.8	1.0

● PART NUMBERING SYSTEM 品名系统



● Remarks 备注

(1) Operating Temperature Ranges: -40～85℃.
工作温度范围:-40~85℃。

(2) Rated Current: DC current that causes the temperature rise
(△T ≤40℃) from 25℃ ambient.
额定电流：使电感温度升高(△T≤40℃）的直流电流，环境温度25℃。

● **SPECIFICATION TABLE 规格特性表**

CKCI0402 Series

Part No.	Inductance (nH)	Test Frequency (MHz)	Q Min	DCR (Ω) Max	SRF (MHz) Min	Rated Current (mA) Max
CKCI0402-1.0nH/S	1.0±0.3	100	8	0.10	10000	400
CKCI0402-1.1nH/S	1.1±0.3	100	8	0.10	10000	400
CKCI0402-1.2nH/S	1.2±0.3	100	8	0.10	10000	400
CKCI0402-1.3nH/S	1.3±0.3	100	8	0.10	10000	400
CKCI0402-1.5nH/S	1.5±0.3	100	8	0.10	6000	300
CKCI0402-1.8nH/S	1.8±0.3	100	8	0.10	6000	300
CKCI0402-2.0nH/S	2.0±0.3	100	8	0.20	6000	300
CKCI0402-2.2nH/S	2.2±0.3	100	8	0.20	6000	300
CKCI0402-2.4nH/S	2.4±0.3	100	8	0.20	6000	300
CKCI0402-2.7nH/S	2.7±0.3	100	8	0.20	6000	300
CKCI0402-3.0nH/S	3.0±0.3	100	8	0.20	6000	300
CKCI0402-3.3nH/S	3.3±0.3	100	8	0.20	6000	300
CKCI0402-3.6nH/S	3.6±0.3	100	8	0.20	4000	300
CKCI0402-3.9nH/S	3.9±0.3	100	8	0.20	4000	300
CKCI0402-4.3nH/S	4.3±0.3	100	8	0.20	4000	300
CKCI0402-4.7nH/S	4.7±0.3	100	8	0.20	4000	300
CKCI0402-5.1nH/S	5.1±0.3	100	8	0.30	4000	300
CKCI0402-5.6nH/S	5.6±0.3	100	8	0.30	4000	300
CKCI0402-6.8nH/J	6.8±5%	100	8	0.30	3900	300
CKCI0402-7.5nH/J	7.5±5%	100	8	0.40	3700	300
CKCI0402-8.2nH/J	8.2±5%	100	8	0.40	3600	300
CKCI0402-9.1nH/J	9.1±5%	100	8	0.40	3400	300
CKCI0402-10nH/J	10±5%	100	8	0.40	3200	300
CKCI0402-12nH/J	12±5%	100	8	0.50	2700	300
CKCI0402-15nH/J	15±5%	100	8	0.50	2300	300
CKCI0402-18nH/J	18±5%	100	8	0.60	2100	300
CKCI0402-20nH/J	20±5%	100	8	0.60	2000	300
CKCI0402-22nH/J	22±5%	100	8	0.60	1900	300
CKCI0402-27nH/J	27±5%	100	8	0.70	1600	300
CKCI0402-33nH/J	33±5%	100	8	0.80	1300	200
CKCI0402-39nH/J	39±5%	100	8	1.00	1200	200
CKCI0402-47nH/J	47±5%	100	8	1.10	1100	200
CKCI0402-56nH/J	56±5%	100	8	1.20	750	200
CKCI0402-68nH/J	68±5%	100	8	1.40	750	180
CKCI0402-82nH/J	82±5%	100	8	2.40	750	150
CKCI0402-100nH/J	100±5%	100	8	2.60	700	150
CKCI0402-120nH/J	120±5%	100	8	2.80	600	150

岑科科技(深圳)集团有限公司
SHENZHEN CENKER TECHNOLOGY GROUP CO.,LTD.

CKCI0603 Series

Part No.	Inductance (nH)	Test Frequency (MHz)	Q Min	DCR (Ω) Max	SRF (MHz) Min	Rated Current (mA) Max

CKCI0603-1.5nH/S	1.5±0.3	100	8	0.10	10000	400
CKCI0603-1.8nH/S	1.8±0.3	100	8	0.12	9800	400
CKCI0603-2.2nH/S	2.2±0.3	100	8	0.20	7600	400
CKCI0603-2.7nH/S	2.7±0.3	100	8	0.20	7000	400
CKCI0603-3.3nH/S	3.3±0.3	100	8	0.20	6200	400
CKCI0603-3.9nH/S	3.9±0.3	100	8	0.25	5600	400
CKCI0603-4.7nH/S	4.7±0.3	100	8	0.30	4800	400
CKCI0603-5.6nH/S	5.6±0.3	100	8	0.30	4600	400
CKCI0603-6.8nH/J	6.8±5%	100	8	0.35	4200	400
CKCI0603-8.2nH/J	8.2±5%	100	8	0.35	3600	400
CKCI0603-10nH/J	10±5%	100	8	0.40	3200	300
CKCI0603-12nH/J	12±5%	100	8	0.40	2800	300
CKCI0603-15nH/J	15±5%	100	8	0.45	2600	300
CKCI0603-18nH/J	18±5%	100	8	0.60	2400	300
CKCI0603-22nH/J	22±5%	100	8	0.60	2000	300
CKCI0603-27nH/J	27±5%	100	8	0.80	1900	300
CKCI0603-33nH/J	33±5%	100	8	0.80	1600	300
CKCI0603-39nH/J	39±5%	100	8	1.00	1400	300
CKCI0603-47nH/J	47±5%	100	8	1.00	1200	200
CKCI0603-56nH/J	56±5%	100	8	1.00	1000	200
CKCI0603-68nH/J	68±5%	100	8	1.00	900	200
CKCI0603-82nH/J	82±5%	100	8	1.00	800	200
CKCI0603-100nH/J	100±5%	100	8	1.40	700	200
CKCI0603-120nH/J	120±5%	100	8	1.60	600	150

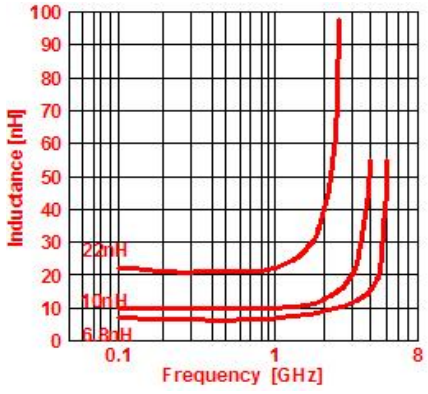
CKCI0805 Series

Part No.	Inductance (nH)	Test Frequency (MHz)	Q Min	DCR (Ω)Max	SRF (MHz) Min	Rated Current (mA)Max
CKCI0805-1.5nH/S	1.5±0.3	100	8	0.10	6000	600
CKCI0805-1.8nH/S	1.8±0.3	100	8	0.10	6000	600
CKCI0805-2.2nH/S	2.2±0.3	100	8	0.10	6000	600

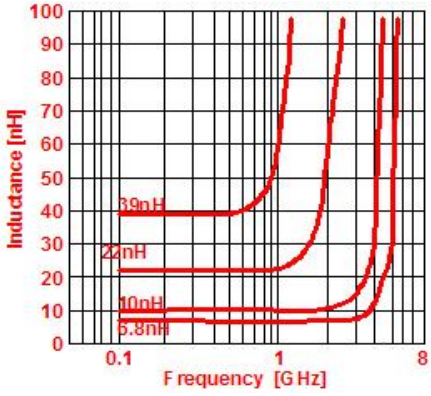
CKCI0805-2.7nH/S	2.7±0.3	100	8	0.10	6000	600
CKCI0805-3.3nH/S	3.3±0.3	100	8	0.13	6000	600
CKCI0805-3.9nH/S	3.9±0.3	100	8	0.15	5400	600
CKCI0805-4.7nH/S	4.7±0.3	100	8	0.20	4500	400
CKCI0805-5.6nH/S	5.6±0.3	100	8	0.23	4000	400
CKCI0805-6.8nH/J	6.8±5%	100	8	0.25	3650	400
CKCI0805-8.2nH/J	8.2±5%	100	8	0.28	3000	400
CKCI0805-10nH/J	10±5%	100	8	0.30	2500	300
CKCI0805-12nH/J	12±5%	100	8	0.35	2450	300
CKCI0805-15nH/J	15±5%	100	8	0.40	2000	300
CKCI0805-18nH/J	18±5%	100	8	0.45	1750	300
CKCI0805-22nH/J	22±5%	100	8	0.50	1700	300
CKCI0805-27nH/J	27±5%	100	8	0.55	1550	300
CKCI0805-33nH/J	33±5%	100	8	0.60	1350	300
CKCI0805-39nH/J	39±5%	100	8	0.70	1300	300
CKCI0805-47nH/J	47±5%	100	8	0.80	1200	300
CKCI0805-56nH/J	56±5%	100	8	0.80	1150	300
CKCI0805-68nH/J	68±5%	100	8	0.85	1000	300
CKCI0805-82nH/J	82±5%	100	8	0.90	850	300
CKCI0805-100nH/J	100±5%	100	8	1.00	600	300
CKCI0805-120nH/J	120±5%	100	8	1.20	500	300
CKCI0805-150nH/K	150±10%	100	8	1.50	500	300

■ Characteristics Curve 特性曲线

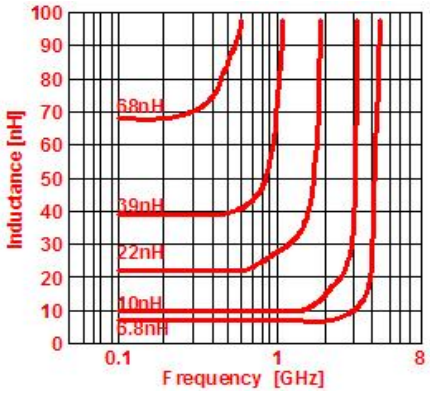
CKCI0402



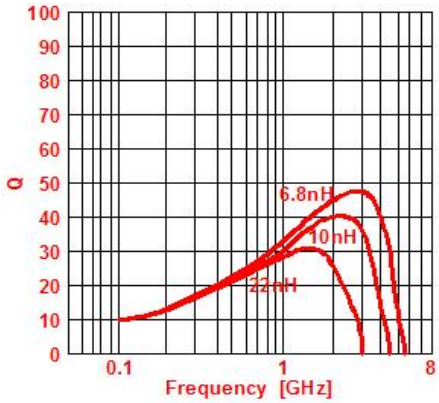
CKCI0603



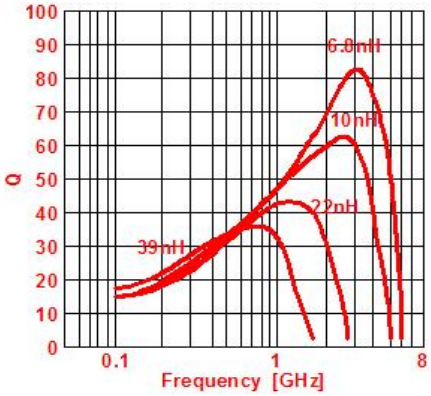
CKCI0805



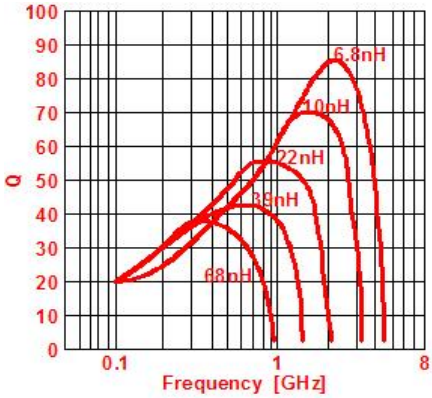
CKCI0402



CKCI0603



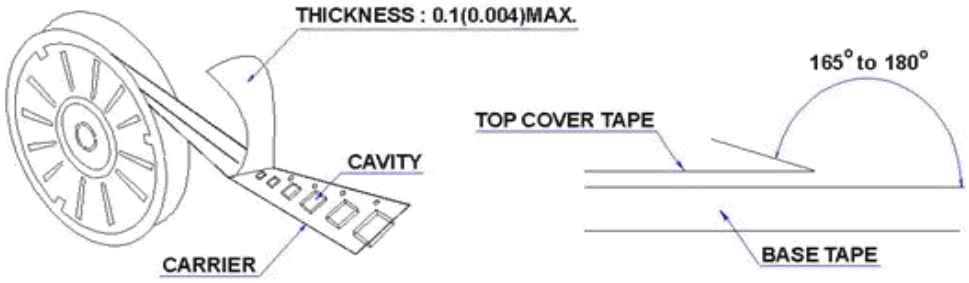
CKCI0805



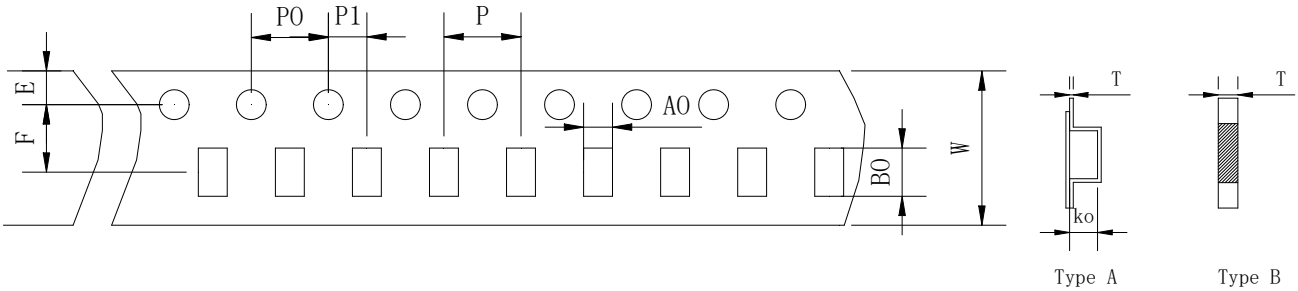
● PACKAGING SPECIFICATION 包装规格

1. Packaging -Cover Tape

The force for tearing off cover tape is 10 to 100 grams in the arrow direction.

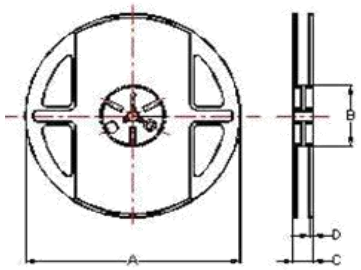


2. Tape Dimensions(Unit:mm)



Type	A	B	T	W	P	F	K	Tape Type
0402	0.62	1.12	0.60	8	2	3.5	/	B
0603	1.05	1.85	0.95	8	4	3.5	/	B
0805	1.50	2.30	0.97	8	4	3.5	/	B

3. Reel Dimensions (Unit:mm)



A	B	C	D
178	60	12	1.5

4. Packaging Quantity

Type	Pcs/Reel
0402	10,000
0603	4,000
0805	4,000