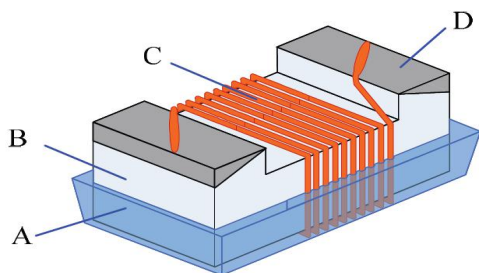


Proposal of Inductor for CKCW0402C Series

Checked By	Prepared By
G.Liu	Shuhao Fan
2020.1.9	2020.1.9

Note: This is a preliminary proposal and the final product P/N, Structure, Shape and Dimensions, Electrical Characteristics may be changed. You are requested to confirm and approve our spec.

1. Structure and Material



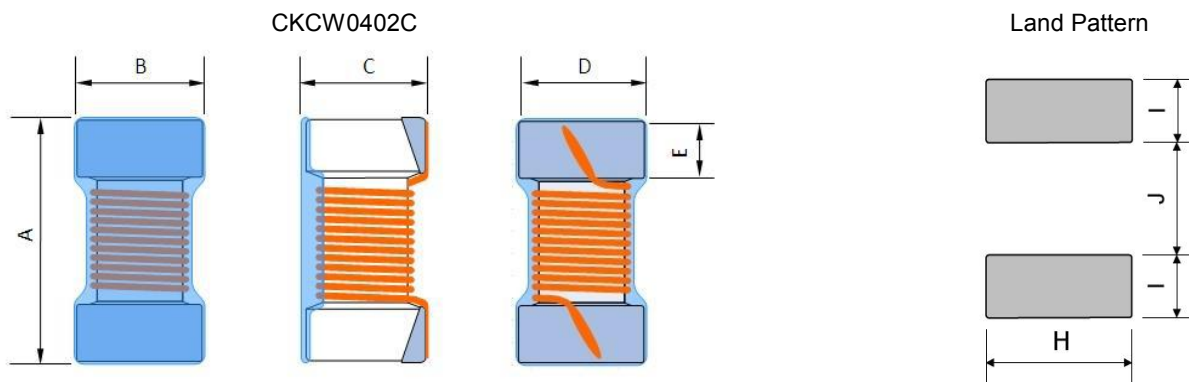
No.	Components	Material
A	Coating	Ultraviolet epoxy resin
B	Core	Ceramic
C	Wire	Polyurethane system enameled copper wire
D	Electrodes	Ag/Ag-Pd with Ni and Sn plating

2. PRODUCT IDENTIFICATION

CKCW 0402 - 22nH / J (C)

- (1) (2) (3) (4) (5)
 (1) Type (2) External Dimensions (3) Nominal Inductance
 (4) Inductance Tolerance (B:±0.1nH C:±0.2nH S:±0.3nH G:±2% H:±3% J:±5% K:±10%)
 (5) Material code (Ceramic)

3. Shape and Dimensions (unit:mm)



A	B	C	D	E	H ref.	I ref.	J ref.
1.1±0.1	0.6±0.1	0.55±0.1	0.5±0.1	0.2±0.1	0.65	0.35	0.5

Unit: mm

4. Electrical Characteristics

Part Number	Inductance	Tolerance	Min. Quality Factor	L/Q Test Freq.	Max. DC Resistance	Max. Rated Current	Min. Self-resonant
Units	nH	-	-	MHZ	Ω	mA	MHz
Symbol	L	-	Q	Freq.	DCR	I _{rms}	SRF
CKCW0402-0.8nH / □(C)	0.8	B,C,S,D,K	14	250	0.035	1000	>6000
CKCW0402-1.0nH / □(C)	1.0	B,C,S,D,K	10	250	0.085	650	>6000
CKCW0402-1.8nH / □(C)	1.8	B,C,S,D,J,K	20	250	0.043	950	>6000
CKCW0402-1.9nH / □(C)	1.9	B,C,S,D,J,K	20	250	0.043	950	>6000
CKCW0402-2.0nH / □(C)	2.0	B,C,S,D,J,K	23	250	0.043	950	>6000
CKCW0402-2.2nH / □(C)	2.2	B,C,S,D,J,K	22	250	0.058	820	>6000
CKCW0402-2.4nH / □(C)	2.4	B,C,S,D,J,K	18	250	0.091	650	>6000
CKCW0402-2.7nH / □(C)	2.7	B,C,S,D,J,K	24	250	0.050	900	>6000

CKCW0402-3.0nH / □(C)	3.0	S,D,K	24	250	0.063	790	>6000
CKCW0402-3.3nH / □(C)	3.3	B,C,S,D,J,K	24	250	0.063	790	>6000
CKCW0402-3.6nH / □(C)	3.6	B,C,S,D,J,K	24	250	0.063	790	>6000
CKCW0402-3.9nH / □(C)	3.9	B,C,S,D,J,K	24	250	0.063	790	>6000
CKCW0402-4.1nH / □(C)	4.1	B,C,S,D,J,K	22	250	0.070	700	>6000
CKCW0402-4.3nH / □(C)	4.3	B,C,S,D,J,K	22	250	0.070	750	>6000
CKCW0402-4.7nH / □(C)	4.7	B,C,S,D,J,K	20	250	0.120	570	>6000
CKCW0402-5.1nH / □(C)	5.1	B,C,S,D,J,K	23	250	0.100	620	>6000
CKCW0402-5.6nH / □(C)	5.6	B,C,S,D,J,K	25	250	0.078	710	>6000
CKCW0402-5.8nH / □(C)	5.8	B,C,S,D,J,K	25	250	0.078	710	>6000
CKCW0402-6.2nH / □(C)	6.2	B,C,S,D,J,K	25	250	0.078	710	>6000
CKCW0402-6.8nH / □(C)	6.8	G,H,J,K	24	250	0.105	610	6000
CKCW0402-7.5nH / □(C)	7.5	G,H,J,K	25	250	0.12	570	6000
CKCW0402-8.2nH / □(C)	8.2	G,H,J,K	25	250	0.11	590	5500
CKCW0402-8.7nH / □(C)	8.7	G,H,J,K	25	250	0.11	590	5500
CKCW0402-9.0nH / □(C)	9.0	G,H,J,K	25	250	0.11	590	5500
CKCW0402-9.1nH / □(C)	9.1	G,H,J,K	25	250	0.11	590	5500
CKCW0402-10nH / □(C)	10	G,H,J,K	24	250	0.15	510	5500
CKCW0402-11nH / □(C)	11	G,H,J,K	26	250	0.12	570	5500
CKCW0402-12nH / □(C)	12	G,H,J,K	26	250	0.12	570	5500
CKCW0402-13nH / □(C)	13	G,H,J,K	24	250	0.18	460	5000
CKCW0402-14nH / □(C)	14	G,H,J,K	26	250	0.21	430	5000
CKCW0402-15nH / □(C)	15	G,H,J,K	26	250	0.21	430	5000
CKCW0402-16nH / □(C)	16	G,H,J,K	25	250	0.28	370	4500
CKCW0402-18nH / □(C)	18	G,H,J,K	25	250	0.28	370	4500
CKCW0402-19nH / □(C)	19	G,H,J,K	26	250	0.24	400	4000
CKCW0402-20nH / □(C)	20	G,H,J,K	26	250	0.24	400	4000
CKCW0402-22nH / □(C)	22	G,H,J,K	25	250	0.36	330	4000
CKCW0402-23nH / □(C)	23	G,H,J,K	25	250	0.36	330	3800
CKCW0402-24nH / □(C)	24	G,H,J,K	25	250	0.36	330	3500
CKCW0402-27nH / □(C)	27	G,H,J,K	25	250	0.38	320	3500
CKCW0402-30nH / □(C)	30	G,H,J,K	25	250	0.38	320	3300
CKCW0402-33nH / □(C)	33	G,H,J,K	24	250	0.55	260	3200
CKCW0402-36nH / □(C)	36	G,H,J,K	25	250	0.60	250	3100
CKCW0402-38nH / □(C)	38	G,H,J,K	25	250	0.60	250	3000
CKCW0402-39nH / □(C)	39	G,H,J,K	25	250	0.60	250	3000
CKCW0402-43nH / □(C)	43	G,H,J,K	25	250	0.68	240	3000
CKCW0402-47nH / □(C)	47	G,H,J,K	25	250	0.95	200	2900
CKCW0402-51nH / □(C)	51	G,H,J,K	25	250	0.95	200	2850
CKCW0402-56nH / □(C)	56	G,H,J,K	25	250	1.05	190	2800
CKCW0402-62nH / □(C)	62	G,H,J,K	25	250	1.05	190	2600
CKCW0402-68nH / □(C)	68	G,H,J,K	25	250	1.35	170	2500
CKCW0402-75nH / □(C)	75	G,H,J,K	24	250	1.75	140	2400
CKCW0402-82nH / □(C)	82	G,H,J,K	25	250	1.90	140	2300
CKCW0402-91nH / □(C)	91	G,H,J,K	25	250	1.95	140	2100
CKCW0402-96nH / □(C)	96	G,H,J,K	24	250	2.06	130	1500
CKCW0402-100nH / □(C)	100	G,H,J,K	24	250	2.06	130	1500
CKCW0402-110nH / □(C)	110	G,H,J,K	25	250	2.38	120	1200
CKCW0402-120nH / □(C)	120	J,K	25	250	2.66	110	1000
CKCW0402-150nH / □(C)	150	J,K	29	100/250	2.00	240	1140
CKCW0402-180nH / □(C)	180	J,K	32	100/250	2.50	240	1080

※□(C): Please specify the inductance tolerance code

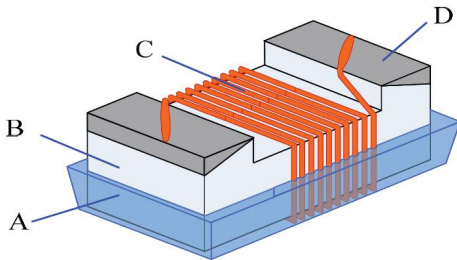
(B=±0.1nH, C=±0.2nH, S=±0.3nH, D=±0.5nH, G=±2%, H=±3%, J=±5%, K=±10%).

Proposal of Inductor for CKCW0603C Series

Checked By	Prepared By
G.Liu	Shuhao Fan
2020.1.9	2020.1.9

Note: This is a preliminary proposal and the final product P/N, Structure, Shape and Dimensions, Electrical Characteristics may be changed. You are requested to confirm and approve our spec.

1. Structure and Material



No.	Components	Material
A	Coating	Ultraviolet epoxy resin
B	Core	Ceramic
C	Wire	Polyurethane system enameled copper wire
D	Electrodes	Ag/Ag-Pd with Ni and Sn plating

2. PRODUCT IDENTIFICATION

CKCW 0603 - 22nH / J (C)

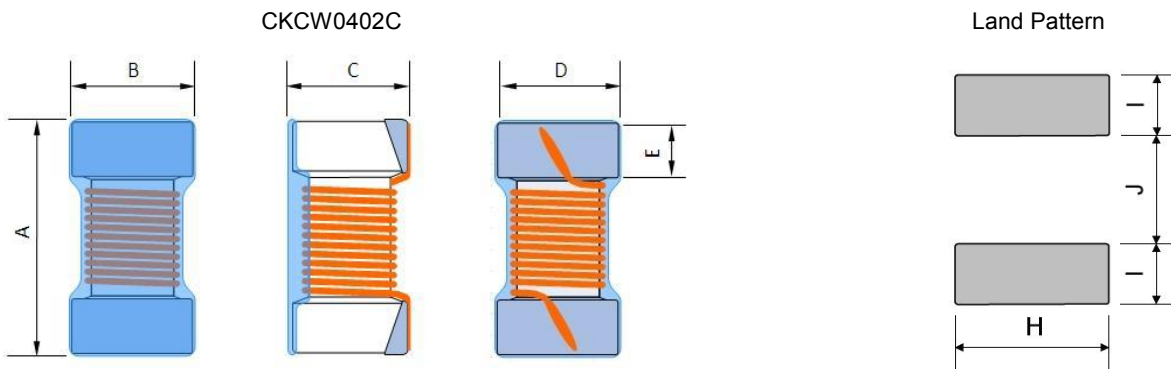
(1) (2) (3) (4) (5)

(1) Type (2) External Dimensions (3) Nominal Inductance

(4) Inductance Tolerance (B:±0.1nH C:±0.2nH S:±0.3nH G:±2% H:±3% J:±5% K:±10%)

(5) Material code (Ceramic)

3. Shape and Dimensions (unit:mm)



A Max.	B Max.	C Max.	D Typ.	E Typ.	H ref.	I ref.	J ref.
1.8	1.12	1.02	0.76	0.33	1.02	0.64	0.64

Unit: mm

4. Electrical Characteristics

Part Number	Inductance	Tolerance	Min. Quality Factor	L/Q Test Freq.	Max. DC Resistance	Max. Rated Current	Min. Self-resonant Frequency
Units	nH	-	-	MHZ	Ω	mA	MHz
Symbol	L	-	Q	Freq.	DCR	I _r	SRF
CKCW0603-1.6nH / □(C)	1.6	C,S,D,K	22	250	0.035	1150	>6000
CKCW0603-1.7nH / □(C)	1.7	C,S,D,J,K	16	250	0.043	1000	>6000
CKCW0603-1.8nH / □(C)	1.8	C,S,D,J,K	18	250	0.043	1000	>6000
CKCW0603-2.2nH / □(C)	2.2	S,D,K	13	250	0.150	700	>6000
CKCW0603-2.7nH / □(C)	2.7	C,S,D,J,K	25	250	0.043	1000	>6000
CKCW0603-3.3nH / □(C)	3.3	C,S,D,J,K	25	250	0.059	850	>6000
CKCW0603-3.6nH / □(C)	3.6	C,S,D,J,K	25	250	0.059	850	>6000
CKCW0603-3.9nH / □(C)	3.9	C,S,D,J,K	25	250	0.059	850	>6000

Proposal of Inductor for CKCW0603C Series

Checked By	Prepared By
G.Liu	Shuhao Fan
2020.1.9	2020.1.9

CKCW0603-4.3nH / □(C)	4.3	C,S,D,J,K	25	250	0.059	850	>6000
CKCW0603-4.7nH / □(C)	4.7	C,S,D,J,K	25	250	0.065	800	>6000
CKCW0603-5.1nH / □(C)	5.1	C,S,D,J,K	21	250	0.130	600	>6000
CKCW0603-6.2nH / □(C)	6.2	C,S,D,J,K	29	250	0.095	700	>6000
CKCW0603-6.8nH / □(C)	6.8	G,H,J,K	29	250	0.095	700	>6000
CKCW0603-7.5nH / □(C)	7.5	G,H,J,K	33	250	0.095	700	>6000
CKCW0603-8.2nH / □(C)	8.2	G,H,J,K	31	250	0.095	700	>6000
CKCW0603-8.7nH / □(C)	8.7	G,H,J,K	31	250	0.095	700	>6000
CKCW0603-9.1nH / □(C)	9.1	G,H,J,K	30	250	0.120	620	6000
CKCW0603-9.5nH / □(C)	9.5	G,H,J,K	26	250	0.160	540	6000
CKCW0603-10nH / □(C)	10	G,H,J,K	30	250	0.130	600	6000
CKCW0603-11nH / □(C)	11	G,H,J,K	35	250	0.130	600	6000
CKCW0603-12nH / □(C)	12	G,H,J,K	35	250	0.130	600	6000
CKCW0603-13nH / □(C)	13	G,H,J,K	35	250	0.130	600	6000
CKCW0603-15nH / □(C)	15	G,H,J,K	37	250	0.150	550	6000
CKCW0603-16nH / □(C)	16	G,H,J,K	37	250	0.150	550	5500
CKCW0603-17nH / □(C)	17	G,H,J,K	37	250	0.150	550	5500
CKCW0603-18nH / □(C)	18	G,H,J,K	37	250	0.150	550	5500
CKCW0603-20nH / □(C)	20	G,H,J,K	37	250	0.150	550	4900
CKCW0603-22nH / □(C)	22	G,H,J,K	38	250	0.190	490	4600
CKCW0603-23nH / □(C)	23	G,H,J,K	40	250	0.190	490	3800
CKCW0603-24nH / □(C)	24	G,H,J,K	40	250	0.190	490	3800
CKCW0603-25nH / □(C)	25	G,H,J,K	40	250	0.190	490	3700
CKCW0603-27nH / □(C)	27	G,H,J,K	38	250	0.190	490	3700
CKCW0603-30nH / □(C)	30	G,H,J,K	38	250	0.210	470	3300
CKCW0603-33nH / □(C)	33	G,H,J,K	40	250	0.210	470	3200
CKCW0603-36nH / □(C)	36	G,H,J,K	40	250	0.220	460	2900
CKCW0603-39nH / □(C)	39	G,H,J,K	40	250	0.220	460	2800
CKCW0603-43nH / □(C)	43	G,H,J,K	40	250	0.270	400	2700
CKCW0603-47nH / □(C)	47	G,H,J,K	36	200	0.270	400	2600
CKCW0603-51nH / □(C)	51	G,H,J,K	35	200	0.300	390	2400
CKCW0603-56nH / □(C)	56	G,H,J,K	38	200	0.350	360	2400
CKCW0603-62nH / □(C)	62	G,H,J,K	36	200	0.380	350	2300
CKCW0603-68nH / □(C)	68	G,H,J,K	36	200	0.380	350	2200
CKCW0603-72nH / □(C)	72	G,H,J,K	34	150	0.430	320	2100
CKCW0603-82nH / □(C)	82	G,H,J,K	34	150	0.500	300	2000
CKCW0603-90nH / □(C)	90	G,H,J,K	34	150	0.520	300	1900
CKCW0603-91nH / □(C)	91	G,H,J,K	34	150	0.520	300	1900
CKCW0603-100nH / □(C)	100	G,H,J,K	31	150	0.660	260	1800
CKCW0603-11nH / □(C)	110	G,H,J,K	32	150	0.730	250	1700
CKCW0603-120nH / □(C)	120	G,H,J,K	32	150	0.750	240	1600
CKCW0603-130nH / □(C)	130	G,H,J,K	32	150	0.750	240	1500
CKCW0603-140nH / □(C)	140	G,H,J,K	32	150	1.100	200	1400
CKCW0603-150nH / □(C)	150	G,H,J,K	32	150	1.120	200	1400
CKCW0603-160nH / □(C)	160	G,H,J,K	32	150	1.120	200	1400
CKCW0603-180nH / □(C)	180	G,H,J,K	25	100	1.380	180	1300
CKCW0603-200nH / □(C)	200	G,H,J,K	25	100	1.900	150	1250
CKCW0603-210nH / □(C)	210	G,H,J,K	25	100	1.900	150	1250
CKCW0603-220nH / □(C)	220	G,H,J,K	25	100	2.100	140	1200
CKCW0603-240nH / □(C)	240	G,H,J,K	25	100	2.750	120	1100
CKCW0603-250nH / □(C)	250	G,H,J,K	25	100	2.800	120	1100
CKCW0603-270nH / □(C)	270	G,H,J,K	26	100	3.000	120	960
CKCW0603-300nH / □(C)	300	G,H,J,K	26	100	4.050	110	900
CKCW0603-330nH / □(C)	330	G,H,J,K	26	100	4.200	100	800
CKCW0603-390nH / □(C)	390	G,H,J,K	27	100	4.500	100	800
CKCW0603-420nH / □(C)	420	G,H,J,K	27	100	5.400	90	800
CKCW0603-470nH / □(C)	470	G,H,J,K	27	100	5.700	90	700
CKCW0603-560nH / □(C)	560	G,H,J,K	27	100	8.100	70	650

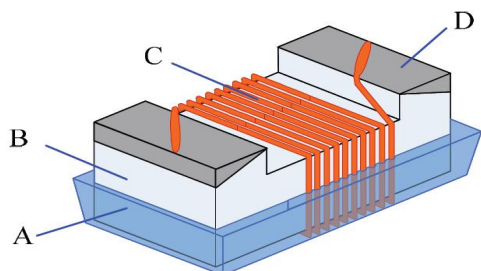
※□(C): Please specify the inductance tolerance code
 (B=±0.1nH, C=±0.2nH, S=±0.3nH, D=±0.5nH, G=±2%, H=±3%, J=±5%, K=±10%).

Proposal of Inductor for CKCW0805C Series

Checked By	Prepared By
G.Liu	Shuhao Fan
2020.1.9	2020.1.9

Note: This is a preliminary proposal and the final product P/N, Structure, Shape and Dimensions, Electrical Characteristics may be changed. You are requested to confirm and approve our spec.

1. Structure and Material



No.	Components	Material
A	Coating	Ultraviolet epoxy resin
B	Core	Ceramic
C	Wire	Polyurethane system enameled copper wire
D	Electrodes	Ag/Ag-Pd with Ni and Sn plating

2. PRODUCT IDENTIFICATION

CKCW 0805 - 22nH / J (C)

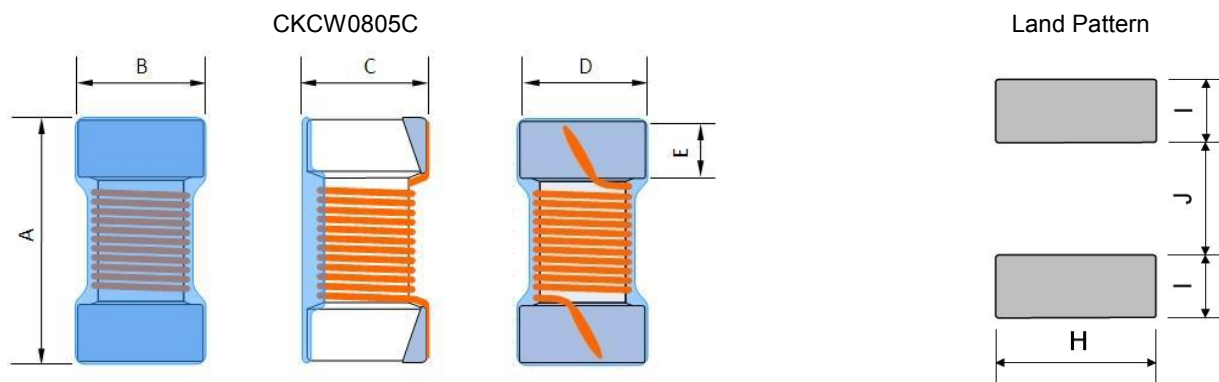
(1) (2) (3) (4) (5)

(1) Type (2) External Dimensions (3) Nominal Inductance

(4) Inductance Tolerance (B:±0.1nH C:±0.2nH S:±0.3nH G:±2% H:±3% J:±5% K:±10%)

(5) Material code (Ceramic)

3. Shape and Dimensions (unit:mm)



A Max.	B Max.	C Max.	D Typ.	E Typ.	H ref.	I ref.	J ref.
2.29	1.73	1.55	1.27	0.5	1.78	1.02	0.76

Unit: mm

4. Electrical Characteristics

Part Number	Inductance	Tolerance	Min. Quality Factor	L/Q Test Freq.	Max. DC Resistance	Max. Rated Current	Min. Self-resonant Frequency
Units	nH	-	-	MHZ	Ω	mA	MHz
Symbol	L	-	Q	Freq.	DCR	I _r	SRF
CKCW0805-2.2nH / □(C)	2.2	J,K	40	250/1500	0.10	600	>6000
CKCW0805-3.3nH / □(C)	3.3	J,K	25	250/1500	0.20	600	>6000
CKCW0805-6.8nH / □(C)	6.8	J,K	40	250/1000	0.11	600	5000
CKCW0805-8.2nH / □(C)	8.2	J,K	40	250/1000	0.19	600	4600
CKCW0805-12nH / □(C)	12	G,J,K	40	250/500	0.15	600	4000
CKCW0805-15nH / □(C)	15	G,J,K	40	250/500	0.17	600	2900

Proposal of Inductor for CKCW0805C Series

Checked By	Prepared By
G.Liu	Shuhao Fan
2020.1.9	2020.1.9

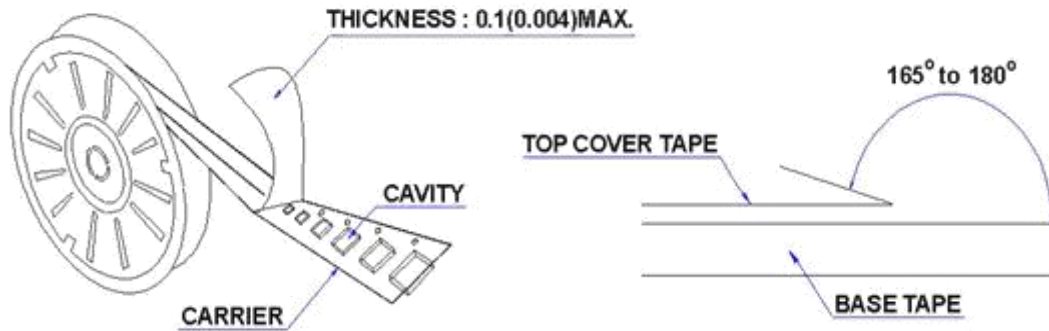
CKCW0805-18nH / □(C)	18	G,J,K	50	250/500	0.20	600	3300
CKCW0805-22nH / □(C)	22	G,J,K	55	250/500	0.22	500	2000
CKCW0805-27nH / □(C)	27	G,J,K	55	250/500	0.25	500	2500
CKCW0805-33nH / □(C)	33	G,J,K	60	250/500	0.27	500	2000
CKCW0805-39nH / □(C)	39	G,J,K	60	250/500	0.29	500	2000
CKCW0805-47nH / □(C)	47	G,J,K	50	200/500	0.31	500	1600
CKCW0805-56nH / □(C)	56	G,J,K	55	200/500	0.32	500	1550
CKCW0805-68nH / □(C)	68	G,J,K	55	200/500	0.38	500	1450
CKCW0805-82nH / □(C)	82	G,J,K	50	150/500	0.42	400	1300
CKCW0805-100nH / □(C)	100	G,J,K	50	150/500	0.46	400	1200
CKCW0805-120nH / □(C)	120	G,J,K	50	150/250	0.51	400	1100
CKCW0805-150nH / □(C)	150	G,J,K	50	100/250	0.56	400	920
CKCW0805-180nH / □(C)	180	G,J,K	50	100/250	0.64	400	870
CKCW0805-220nH / □(C)	220	G,J,K	45	100/250	1.10	400	850
CKCW0805-270nH / □(C)	270	G,J,K	38	100/250	1.00	350	650
CKCW0805-330nH / □(C)	330	G,J,K	40	100/250	1.40	310	600
CKCW0805-390nH / □(C)	390	G,J,K	35	100/250	1.50	290	560
CKCW0805-470nH / □(C)	470	G,J,K	33	50/100	1.72	250	375
CKCW0805-560nH / □(C)	560	G,J,K	23	25/50	1.90	230	320
CKCW0805-620nH / □(C)	620	G,J,K	23	25/50	1.95	200	280
CKCW0805-680nH / □(C)	680	G,J,K	23	25/50	2.05	190	270
CKCW0805-750nH / □(C)	750	G,J,K	23	25/50	2.10	180	240
CKCW0805-820nH / □(C)	820	G,J,K	23	25/50	2.30	180	250
CKCW0805-910nH / □(C)	910	G,J,K	22	25/50	2.40	160	230
CKCW0805-1uH / □(C)	1000	G,J,K	20	25/50	2.50	150	200

※□(C): Please specify the inductance tolerance code
(B=±0.1nH, C=±0.2nH, S=±0.3nH, D=±0.5nH, G=±2%, H=±3%, J=±5%, K=±10%).

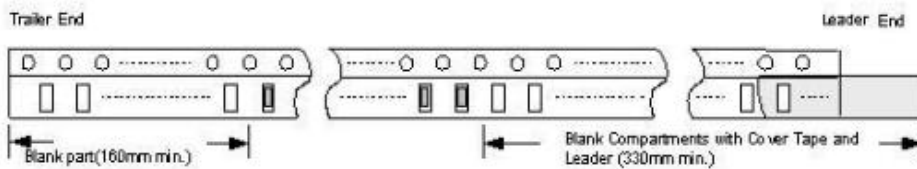
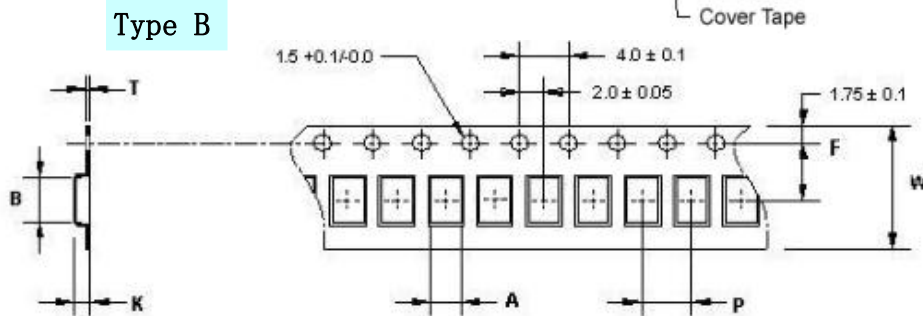
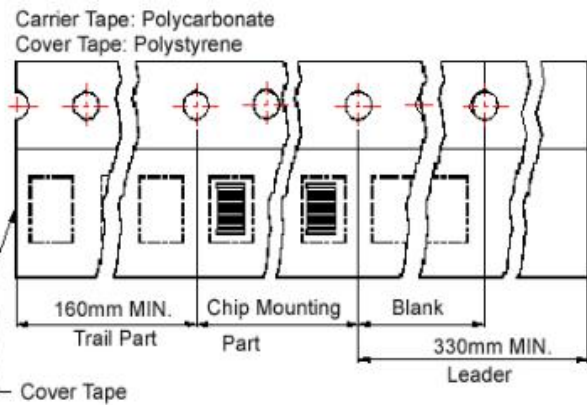
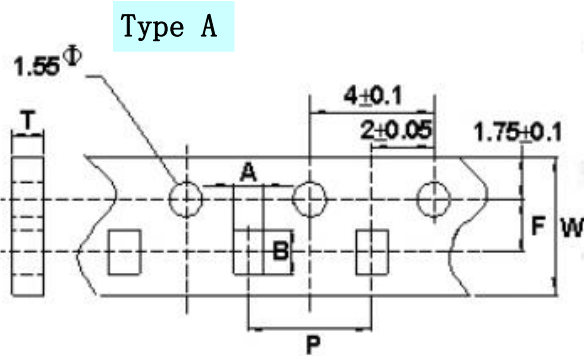
■ Packaging

1. Packaging -Cover Tape

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

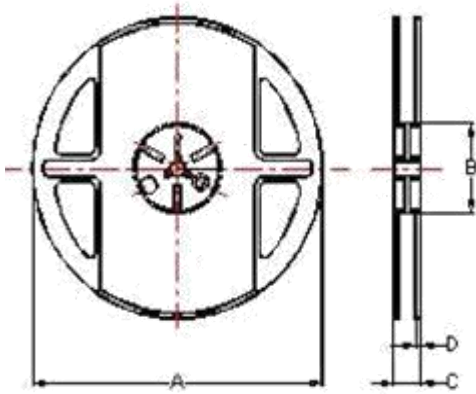


2. Tape Dimensions(Unit:mm)



Type	A	B	T	W	P	F	K	Tape Type
0402	0.67	1.20	0.75	8	2	3.5	/	B
0603	1.23	1.90	0.97	8	4	3.5	/	A
0805	1.60	2.42	0.22	8	4	3.5	1.45	B

3. Reel Dimensions (Unit:mm)



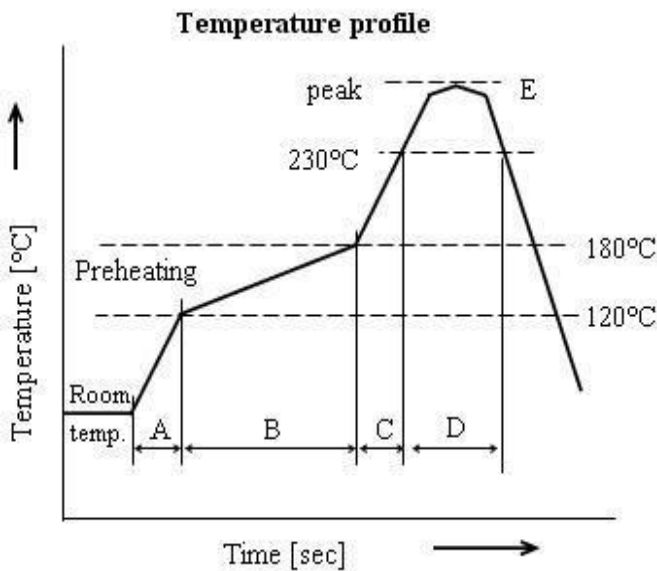
A	B	C	D
178	60	12	1.5

4. Packaging Quantity

Type	Pcs/Reel
0402	10,000
0603	4,000
0805	3,000

■ **Soldering**

Reflow Soldering



A	Temp. rise gradient	1~5 °C/sec
B	Heating time	50~150 sec
	Heating temperature	120~180 °C
C	Temp. rise gradient	1~5 °C/sec
D	Time over 230°C	70 sec
E	Peak temperature	260 °C
	Peak-temp. hold time	Momentary
Soldering		2 times

单击下面可查看定价，库存，交付和生命周期等信息

[>>Cenker\(岑科\)](#)