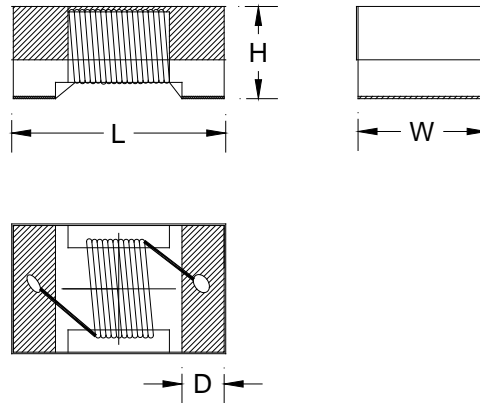
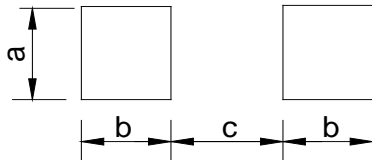


1. Dimensions



L	W	H	D
1.19 max.	0.66 max.	0.60 max.	0.23 typ.

2. Recommended Land Pattern



Symbol	Dimensions(mm)
a	0.66
b	0.36
c	0.46

2. Product Identification

KTW 0402 UC 1N0 □ S C
 ① ② ③ ④ ⑤ ⑥ ⑦

- ① Wire Wound Inductor Series;
- ② Dimensions: 0402(inch)=1005(mm)=1.0x0.5mm
- ③ Material: UC Ceramic core;
- ④ Inductance: 1N0=1.0nH、010=10nH、R10=100nH、1R0=1.0μH、100=10μH、101=100μH、102=1mH;
- ⑤ Tolerance: G---±2%; J---±5%; K---±10%;
- ⑥ Terminal: G--- Gold; S--- Tin;
- ⑦ Packaging type: C--- Tape& Reel.

3.General Characteristics

Part Number	Tolerance	Inductance ① (nH)	Inductance Test Conditions	Q value min.	Q value Test frequency (MHz)	DCR ② (Ω)max.	Rated current ③ (mA)	SRF(MHz) min.
KTW0402UC1N0□SC	K	1.0	250MHz/0.5V	13	250	0.045	1360	10000
KTW0402UC1N2□SC	K	1.2	250MHz/0.5V	8	250	0.135	640	10000
KTW0402UC1N8□SC	K	1.8	250MHz/0.5V	16	250	0.070	1040	6000
KTW0402UC1N9□SC	K	1.9	250MHz/0.5V	16	250	0.070	1040	6000
KTW0402UC2N0□SC	K	2.0	250MHz/0.5V	18	250	0.070	1040	6000
KTW0402UC2N2□SC	K	2.2	250MHz/0.5V	18	250	0.070	960	6000
KTW0402UC2N4□SC	K	2.4	250MHz/0.5V	16	250	0.080	790	6000
KTW0402UC2N5□SC	K	2.5	250MHz/0.5V	15	250	0.120	640	6000
KTW0402UC2N7□SC	K	2.7	250MHz/0.5V	15	250	0.120	640	6000
KTW0402UC2N9□SC	K	2.9	250MHz/0.5V	8	250	0.300	400	6000
KTW0402UC3N3□SC	J、K	3.3	250MHz/0.5V	20	250	0.066	840	6000
KTW0402UC3N6□SC	G、J、K	3.6	250MHz/0.5V	20	250	0.066	840	6000
KTW0402UC3N9□SC	G、J、K	3.9	250MHz/0.5V	20	250	0.066	840	6000
KTW0402UC4N3□SC	J、K	4.3	250MHz/0.5V	20	250	0.091	700	6000
KTW0402UC4N7□SC	G、J、K	4.7	250MHz/0.5V	18	250	0.200	640	4500
KTW0402UC5N1□SC	G、J、K	5.1	250MHz/0.5V	18	250	0.083	800	4800
KTW0402UC5N6□SC	G、J、K	5.6	250MHz/0.5V	20	250	0.083	760	4800
KTW0402UC6N2□SC	G、J、K	6.2	250MHz/0.5V	23	250	0.083	760	4800
KTW0402UC6N8□SC	G、J、K	6.8	250MHz/0.5V	23	250	0.260	680	4800
KTW0402UC7N5□SC	G、J、K	7.5	250MHz/0.5V	23	250	0.100	680	4800
KTW0402UC8N2□SC	G、J、K	8.2	250MHz/0.5V	25	250	0.100	680	4400
KTW0402UC8N7□SC	G、J、K	8.7	250MHz/0.5V	25	250	0.200	480	4100
KTW0402UC9N0□SC	G、J、K	9.0	250MHz/0.5V	25	250	0.100	680	4160
KTW0402UC9N5□SC	G、J、K	9.5	250MHz/0.5V	25	250	0.200	480	4000
KTW0402UC010□SC	G、J、K	10	250MHz/0.5V	25	250	0.20	480	3900
KTW0402UC011□SC	G、J、K	11	250MHz/0.5V	25	250	0.120	640	3680
KTW0402UC012□SC	J、K	12	250MHz/0.5V	25	250	0.120	640	3600
KTW0402UC013□SC	G、J、K	13	250MHz/0.5V	25	250	0.210	440	3450

All specifications are subject to change without notice.

KTW0402UC Series

Wire Wound Chip Inductors

Part Number	Tolerance	Inductance ① (nH)	Inductance Test Conditions	Q value min.	Q value Test frequency (MHz)	DCR ② (Ω)max.	Rated current ③ (mA)	SRF(MHz) min.
KTW0402UC015□SC	G、J、K	15	250MHz/0.5V	25	250	0.300	560	3280
KTW0402UC016□SC	G、J、K	16	250MHz/0.5V	25	250	0.220	560	3100
KTW0402UC018□SC	G、J、K	18	250MHz/0.5V	25	250	0.230	420	3100
KTW0402UC019□SC	G、J、K	19	250MHz/0.5V	25	250	0.200	480	3040
KTW0402UC020□SC	G、J、K	20	250MHz/0.5V	25	250	0.250	420	3000
KTW0402UC022□SC	G、J、K	22	250MHz/0.5V	25	250	0.300	400	2800
KTW0402UC023□SC	G、J、K	23	250MHz/0.5V	22	250	0.380	310	2720
KTW0402UC024□SC	G、J、K	24	250MHz/0.5V	25	250	0.300	400	2700
KTW0402UC027□SC	G、J、K	27	250MHz/0.5V	24	250	0.520	280	2480
KTW0402UC030□SC	G、J、K	30	250MHz/0.5V	25	250	0.500	400	2350
KTW0402UC033□SC	G、J、K	33	250MHz/0.5V	24	250	0.650	350	2350
KTW0402UC036□SC	G、J、K	36	250MHz/0.5V	25	250	0.600	250	2320
KTW0402UC039□SC	G、J、K	39	250MHz/0.5V	25	250	0.750	200	2100
KTW0402UC040□SC	G、J、K	40	250MHz/0.5V	25	250	0.600	220	2240
KTW0402UC043□SC	J、K	43	250MHz/0.5V	25	250	0.810	100	2030
KTW0402UC047□SC	G、J、K	47	250MHz/0.5V	25	250	0.830	150	2100
KTW0402UC051□SC	J、K	51	250MHz/0.5V	25	250	0.820	100	1750
KTW0402UC056□SC	G、J、K	56	250MHz/0.5V	25	250	0.97	100	1760
KTW0402UC062□SC	G、J、K	62	250MHz/0.5V	25	250	1.120	100	1620
KTW0402UC068□SC	G、J、K	68	250MHz/0.5V	25	250	1.12	100	1620
KTW0402UC075□SC	G、J、K	75	250MHz/0.5V	25	250	1.630	50	1400
KTW0402UC082□SC	G、J、K	82	250MHz/0.5V	25	250	1.70	50	1260
KTW0402UCR10□SC	G、J、K	100	250MHz/0.5V	25	250	2.00	30	1160
KTW0402UCR12□SC	G、J、K	120	250MHz/0.5V	25	250	2.20	30	1100

- ① Inductance tested using an Agilent/HP4286A or equivalent.
- ② DCR measured on a micro-ohmmeter.
- ③ Rated current: The DC current at which the temperature rise $\Delta t=40^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$).
- ④ □ Represents the tolerance of inductance: G ($\pm 2\%$); J ($\pm 5\%$); K ($\pm 10\%$).

4. Packaging Quantity: 5000 pcs per Reel.

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