

High Freq Ceramic Inductors CLWI Series

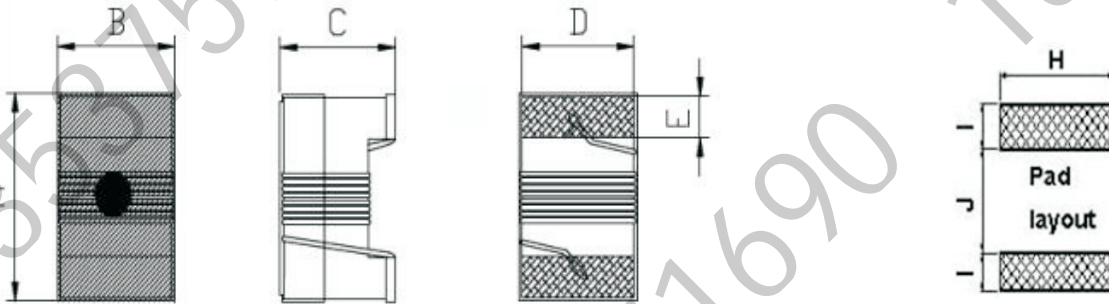
Product Identification:



CLWI - 0603 UC - 1R0 K - N
(1) (2) (3) (4) (5) (6)

- (1) Series
- (2) Dimensions(L*H)
- (3) Type
- (4) Inductance (1R0=1.0uH, 100=10uH, 101=100uH)
- (5) Tolerance(K(±10%), L(±15%), M(±20%),P(±25%))
- (6) Code

DIMENSIONS DRAWING:



Shape and Dimensions							Recommended Pattern		
TYPE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	-	H(mm)	I(mm)	J(mm)
CLWI-0603UC	1.8Max	1.2Max	1.0Max	0.9Typ	0.3Typ	-	1.15Typ	0.6Typ	1.0Typ
CLWI-0805UC	2.4Max	1.8Max	1.6Max	0.7Typ	1.0Typ	-	1.78Typ	1.0Typ	0.8Typ
CLWI-1005UC	3.0Max	2.5Max	2.2Max	0.7Typ	1.5Typ	-	2.5Typ	1.0Typ	1.3Typ

High Freq Ceramic Inductors CLWI-0603UC Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Test Freq (MHz)	Q Typ	DCR (Ω)	Rated Current (mA)Typ	SRF (MHz) Typ
CLWI-0603UC-1R0K	1.0 ±10%	7.9	16	0.20 ±30%	860	390
CLWI-0603UC-2R2K	2.2 ±10%	7.9	16	0.56 ±30%	580	103
CLWI-0603UC-4R7K	4.7 ±10%	7.9	16	0.79 ±30%	420	51
CLWI-0603UC-100K	10.0 ±10%	2.5	14	1.85 ±30%	280	36
CLWI-0603UC-150K	15.0 ±10%	2.5	14	2.60 ±30%	240	29
CLWI-0603UC-220K	22.0 ±10%	2.5	14	3.60 ±30%	200	24

(1).Rated Current: Temp.rise 30°C Typ

(2).Operating Temperature: -55°C up to +125°C

High Freq Ceramic Inductors CLWI-0805UC Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Test Frequency (MHz)	Tolerance	Q Typ	SRF (MHz) Min.	DCR(Ω) Max	IDC(mA)
CLWI-0805UC-78N□-N	0.078	7.9	J,K	19	1440	0.06	2000
CLWI-0805UC-R11□-N	0.11	7.9	J,K	19	1200	0.07	2000
CLWI-0805UC-R47□-N	0.47	7.9	J,K	19	480	0.4	800
CLWI-0805UC-R56□-N	0.56	7.9	J,K	19	480	0.4	800
CLWI-0805UC-R68□-N	0.68	7.9	J,K	20	480	0.4	800
CLWI-0805UC-1R0□-N	1.0	7.9	J,K	20	400	0.69	700
CLWI-0805UC-1R5□-N	1.5	7.9	J,K	20	330	0.83	700
CLWI-0805UC-1R8□-N	1.8	7.9	J,K	20	300	1.0	650
CLWI-0805UC-2R2□-N	2.2	7.9	J,K	20	250	1.1	650
CLWI-0805UC-2R7□-N	2.7	7.9	J,K	23	200	1.25	650
CLWI-0805UC-3R3□-N	3.3	7.9	J,K	23	160	1.45	650
CLWI-0805UC-3R9□-N	3.9	7.9	J,K	23	90	1.5	600
CLWI-0805UC-4R7□-N	4.7	7.9	J,K	20	70	1.6	530
CLWI-0805UC-5R6□-N	5.6	7.9	J,K	20	65	1.7	500
CLWI-0805UC-6R8□-N	6.8	7.9	J,K	20	45	1.95	470
CLWI-0805UC-8R2□-N	8.2	2.5	J,K	16	45	2.1	450
CLWI-0805UC-100□-N	10	2.5	J,K	16	40	2.4	400
CLWI-0805UC-120□-N	12	2.5	J,K	16	38	3.2	360
CLWI-0805UC-150□-N	15	2.5	J,K	16	35	3.55	350
CLWI-0805UC-180□-N	18	2.5	J,K	16	25	4.9	300
CLWI-0805UC-220□-N	22	2.5	J,K	16	20	5.45	270
CLWI-0805UC-270□-N	27	2.5	J,K	16	19	7.8	240
CLWI-0805UC-470□-N	47	2.5	J,K	16	15	14.5	180

High Freq Ceramic Inductors CLWI-1008UC Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Test Frequency (MHz)	Tolerance	Q Typ	SRF (MHz) Min.	DCR(Ω) Max	IDC(mA)
CLWI-1008UC-1R2□-N	1.2	7.9	J,K	12	350	0.5	1200
CLWI-1008UC-1R5□-N	1.5	7.9	J,K	12	300	0.65	1200
CLWI-1008UC-1R8□-N	1.8	7.9	J,K	12	280	0.75	1050
CLWI-1008UC-2R2□-N	2.2	7.9	J,K	12	250	0.9	950
CLWI-1008UC-2R7□-N	2.7	7.9	J,K	12	200	1	950
CLWI-1008UC-3R3□-N	3.3	7.9	J,K	12	200	1.15	900
CLWI-1008UC-3R9□-N	3.9	7.9	J,K	12	170	1.25	850
CLWI-1008UC-4R7□-N	4.7	7.9	J,K	12	130	1.35	700
CLWI-1008UC-5R6□-N	5.6	7.9	J,K	12	110	1.45	700
CLWI-1008UC-6R8□-N	6.8	7.9	J,K	12	105	1.6	600
CLWI-1008UC-8R2□-N	8.2	7.9	J,K	12	90	1.8	550
CLWI-1008UC-100□-N	10	7.9	J,K	12	85	2.4	500

(1).Rated Current: Temp.rise 30°C Typ

(2).Operating Temperature: -55°C up to +125°C