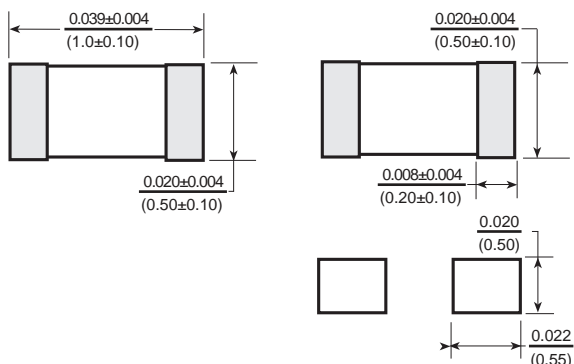


# CLC02 Ceramic Core Laser Cut Chip Inductor



Dimensions:  $\frac{\text{Inches}}{\text{(mm)}}$

## Features

- 0402 EIA Size
- Available in 2% Tolerance
- High Self Resonant Frequencies
- Stable Performance at High Frequencies
- Suitable for Flow and Reflow Soldering
- Non-Magnetic core assures excellent thermal stability and batch consistency

## Electrical

**Inductance range:** 1.0nh to 100nh  
**Tolerance:** see table for tolerance options  
**Test Frequency:** 100MHz  
**Operating Temperature:** -40°C-100°C  
**IDC:** Based on 15°C temperature rise @ 25°C Ambient.

## Test Equipment

**(L/Q):** HP4291B Impedance Analyzer with HP16192 Fixture  
**(SRF):** HP8753E Network Analyzer  
**(RDC):** HP4338 Milliohm meter

## Physical

**Packaging:** 10000 pieces per 7 inch reel.  
**Marking:** N/A

Allied Part Number	Inductance (nh) @100 MHz	Available Tolerances *SeeBelow	Q Min.	Q Typical @800MHz	SRF Typical (MHz)	DCR Max. (Ω)	IDC Max. (mA)
CLC02-1N0_-RC	1.0	S, B	8	21	6000	0.05	400
CLC02-1N2_-RC	1.2	S, B	8	21	6000	0.06	400
CLC02-1N5_-RC	1.5	S, B	8	21	6000	0.07	400
CLC02-1N8_-RC	1.8	S, B	8	21	6000	0.08	400
CLC02-2N2_-RC	2.2	S, B	8	21	6000	0.09	400
CLC02-2N7_-RC	2.7	S, B	8	21	5500	0.10	400
CLC02-3N3_-RC	3.3	S, B	8	21	5500	0.12	400
CLC02-3N9_-RC	3.9	S, B	8	20	5200	0.15	360
CLC02-4N7_-RC	4.7	S, B	8	20	4800	0.17	360
CLC02-5N6_-RC	5.6	S, B	8	20	4600	0.19	340
CLC02-6N8_-RC	6.8	J, B	8	19	4000	0.30	320
CLC02-8N2_-RC	8.2	J, B	8	19	3500	0.35	320
CLC02-10N_-RC	10	J, G	8	19	2800	0.41	320
CLC02-12N_-RC	12	J, G	8	19	2800	0.45	320
CLC02-15N_-RC	15	J, G	8	19	2500	0.60	240
CLC02-18N_-RC	18	J, G	8	19	2200	0.70	240
CLC02-22N_-RC	22	J, G	8	19	2000	0.80	200
CLC02-27N_-RC	27	J, G	8	19	1800	1.20	200
CLC02-33N_-RC	33	J, G	8	18	1800	1.40	170
CLC02-39N_-RC	39	J, G	8	18	1800	1.70	150
CLC02-47N_-RC	47	J, G	8	17	1800	2.10	140
CLC02-56N_-RC	56	J, G	8	17	1500	2.50	130
CLC02-68N_-RC	68	J, G	8	15	1500	4.00	120
CLC02-82N_-RC	82	J, G	8	15	1400	4.50	110
CLC02-R10_-RC	100	J, G	8	14	1200	5.50	90

\* Please complete the part number with your required tolerance, S= ±0.3nH, B= ± 0.2nH, J= ±5%, G= ±2%  
 All specifications subject to change without notice.