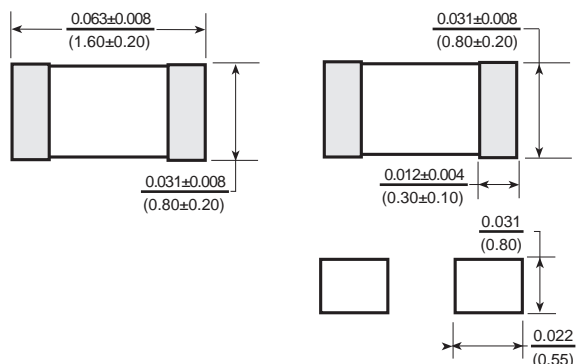


CLC03 Ceramic Core Laser Cut Chip Inductor



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

Features

- 0603 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 220nH

Tolerance: see table for tolerance options

Test Frequency:

1nH to 100nH @ 100MHz

120nH to 220nH @ 25.2MHz

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: 3000 pieces per 7 inch reel.

Marking: N/A

Allied Part Number	Inductance (nH)	Available Tolerances *See Below	Q Min.	Q Typical @800MHz	SRF Typical (MHz)	DCR Max. (Ω)	IDC Max. (mA)
CLC03-1N0_-RC	1.0	S, B	7	47	6000	0.05	500
CLC03-1N2_-RC	1.2	S, B	7	47	6000	0.06	500
CLC03-1N5_-RC	1.5	S, B	8	47	6000	0.07	500
CLC03-1N8_-RC	1.8	S, B	8	45	6000	0.08	500
CLC03-2N2_-RC	2.2	S, B	8	35	6000	0.09	500
CLC03-2N7_-RC	2.7	S, B	8	35	6000	0.10	500
CLC03-3N3_-RC	3.3	S, B	9	35	5500	0.12	500
CLC03-3N9_-RC	3.9	J, B	9	36	5500	0.15	450
CLC03-4N7_-RC	4.7	J, B	9	36	4800	0.17	450
CLC03-5N6_-RC	5.6	J, B	9	36	4600	0.18	430
CLC03-6N8_-RC	6.8	J, B	9	36	3550	0.20	430
CLC03-8N2_-RC	8.2	J, B	9	36	3500	0.28	400
CLC03-10N_-RC	10	J, G	10	37	2800	0.32	400
CLC03-12N_-RC	12	J, G	10	37	2800	0.35	400
CLC03-15N_-RC	15	J, G	10	38	2500	0.41	350
CLC03-18N_-RC	18	J, G	10	39	2300	0.45	350
CLC03-22N_-RC	22	J, G	10	40	2000	0.50	300
CLC03-27N_-RC	27	J, G	10	41	2000	0.55	300
CLC03-33N_-RC	33	J, G	10	40	1800	0.60	300
CLC03-39N_-RC	39	J, G	11	39	1800	0.80	300
CLC03-47N_-RC	47	J, G	11	38	1800	0.95	250
CLC03-56N_-RC	56	J, G	12	35	1800	1.20	250
CLC03-68N_-RC	68	J, G	12	35	1500	1.30	250
CLC03-82N_-RC	82	J, G	12	33	1500	1.50	250
CLC03-R10_-RC	100	J, G	12	30	1300	1.80	200
CLC03-R12_-RC	120	J, G	5	25	1200	3.00	130
CLC03-R15_-RC	150	J, G	5	22	1100	4.50	100
CLC03-R18_-RC	180	J, G	4	20	1000	6.50	80
CLC03-R22_-RC	220	J, G	4	-	900	7.50	70

* 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.