

MOX-LCI-0402 SERIES



Laser Cut Chip Inductors

MoxiE's MOX-LCI-0402 series are widely used in communications equipment such as cellular phones, television tuners, radios and other electronic devices. The wire wound design features a high self resonant Frequency, better Q factor and high stability.



Features:

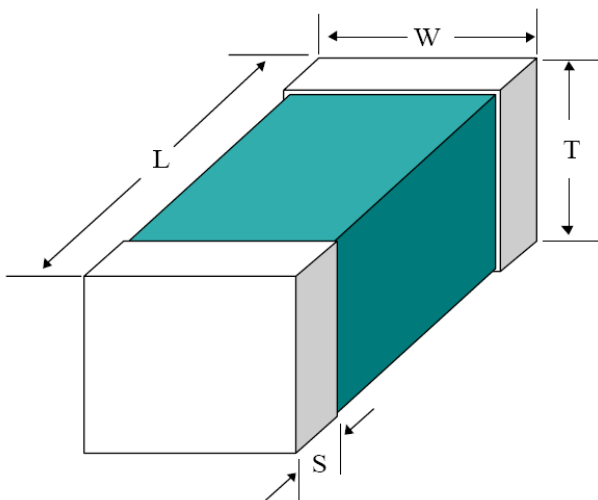
- Low cost.
- Ceramic material.
- Excellent solderability and resistance to soldering heat.
- Suitable for flow and reflow soldering.



NOTES



MECHANICAL DIMENSIONS (mm)



Length (L)	Width (W)	Height (T)	Terminal (S)
1.00 ±0.1	0.50±0.1	0.50±0.1	0.25±0.1

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ELECTRICAL SPECIFICATIONS

MoxiE Part Number	Inductance (nH)	Tolerance (±)	Q Minimum @ 100MHz	Q Typical @ 800MHz	SRF Min (MHz)	RDC Max (Ω)	IDC ¹ Max (mA)
MOX-LCI-0402-1N0	1.0 @ 100MHz	B, S	8	21	6000	0.05	400
MOX-LCI-0402-1N2	1.2 @ 100MHz	B, S	8	21	6000	0.06	400
MOX-LCI-0402-1N5	1.5 @ 100MHz	B, S	8	21	6000	0.07	400
MOX-LCI-0402-1N8	1.8 @ 100MHz	B, S	8	21	6000	0.08	400
MOX-LCI-0402-2N2	2.2 @ 100MHz	B, S	8	21	6000	0.09	400
MOX-LCI-0402-2N7	2.7 @ 100MHz	B, S	8	21	5500	0.10	400
MOX-LCI-0402-3N3	3.3 @ 100MHz	B, S	8	21	5500	0.12	400
MOX-LCI-0402-3N9	3.9 @ 100MHz	B, S	8	20	5200	0.15	360
MOX-LCI-0402-4N7	4.7 @ 100MHz	B, S	8	20	4800	0.17	360
MOX-LCI-0402-5N6	5.6 @ 100MHz	B, S	8	20	4600	0.19	340
MOX-LCI-0402-6N8	6.8 @ 100MHz	J, G	8	19	4600	0.30	320
MOX-LCI-0402-8N2	8.2 @ 100MHz	J, G	8	19	3500	0.35	320
MOX-LCI-0402-10N	10.0 @ 100MHz	J, G	8	19	2800	0.41	320
MOX-LCI-0402-12N	12.0 @ 100MHz	J, G	8	19	2800	0.45	320
MOX-LCI-0402-15N	15.0 @ 100MHz	J, G	8	19	2500	0.60	240
MOX-LCI-0402-18N	18.0 @ 100MHz	J, G	8	19	2200	0.70	240
MOX-LCI-0402-22N	22.0 @ 100MHz	J, G	8	19	2000	0.80	200
MOX-LCI-0402-27N	27.0 @ 100MHz	J, G	8	19	1800	1.20	200
MOX-LCI-0402-33N	33.0 @ 100MHz	J, G	8	18	1800	1.40	170
MOX-LCI-0402-39N	39.0 @ 100MHz	J, G	8	18	1800	1.70	150
MOX-LCI-0402-47N	47.0 @ 100MHz	J, G	8	17	1800	2.10	140
MOX-LCI-0402-56N	56.0 @ 100MHz	J, G	8	17	1500	2.50	130
MOX-LCI-0402-68N	68.0 @ 100MHz	J, G	8	15	1500	4.00	120
MOX-LCI-0402-82N	82.0 @ 100MHz	J, G	8	15	1400	4.50	110
MOX-LCI-0402-R10	100.0 @ 100MHz	J, G	8	14	1200	5.50	90



ENGINEERING DATA

- Tolerance available: J (±5%) K (±10%) M (±20%)
- Inductance is measured on a HP-4286A RF LCR meter with HP-16193 fixture.
- Q is measured on a HP-4286A RF LCR meter with HP-16193 fixture.
- SRF is measured on a HP-8753E RF network analyzer with HP-16193 fixture.
- RDC is measured on a HP-4338B milliohmeter.
- ¹15°C temperature rise.
- RoHS Compliant.
- Operating temperature: -40°C to +85°C.
- Packaging: Tape & reel (10,000 pcs per reel)
- MoxiE Inductor Corporation specifications are subject to change without notice.