MOX-LCI-0603 SERIES

Laser Cut Chip Inductors

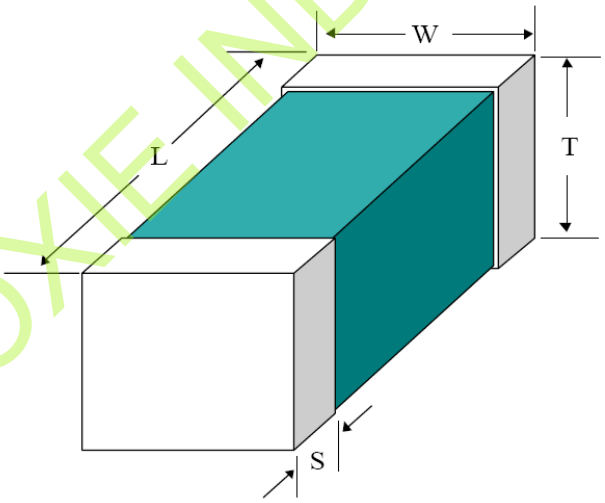
MoxiE's MOX-LCI-0603 series are widely used in communications equipment such as cellular phones, television tuners, radios and other electronic devices. The wire wound design features a high self resonant Frequency, better Q factor and high stability.

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)
1.60 ±0.1	0.80±0.1	0.80±0.1	0.30±0.1

MOX-LCI-0603 SERIES

Laser Cut Chip Inductors

MoxiE® INDUCTOR CORPORATION

ELECTRICAL SPECIFICATIONS

MoxiE Part Number	Inductance (nH)	Tolerance (±)	Q Minimum @ 100MHz	Frequency	SRF Min (MHz)	RDC Max (Ω)	IDC[1] Max (mA)
MOX-LCI-0603-1N0□	1.0 @ 100MHz	B, S	30	1000MHz	6000	0.06	500
MOX-LCI-0603-1N2□	1.2 @ 100MHz	B, S	30	1000MHz	6000	0.06	500
MOX-LCI-0603-1N5□	1.5 @ 100MHz	B, S	30	1000MHz	6000	0.07	500
MOX-LCI-0603-1N8□	1.8 @ 100MHz	B, S	30	1000MHz	6000	0.08	500
MOX-LCI-0603-2N2□	2.2 @ 100MHz	B, S	30	1000MHz	6000	0.09	500
MOX-LCI-0603-2N7□	2.7 @ 100MHz	B, S	30	1000MHz	6000	0.10	500
MOX-LCI-0603-3N3□	3.3 @ 100MHz	B, S	30	1000MHz	5500	0.12	500
MOX-LCI-0603-3N9□	3.9 @ 100MHz	B, S	30	1000MHz	5500	0.15	450
MOX-LCI-0603-4N7□	4.7 @ 100MHz	B, S	30	1000MHz	4800	0.17	450
MOX-LCI-0603-5N6□	5.6 @ 100MHz	B, S	30	1000MHz	4600	0.18	430
MOX-LCI-0603-6N8□	6.8 @ 100MHz	J, G	30	1000MHz	3550	0.20	430
MOX-LCI-0603-8N2□	8.2 @ 100MHz	J, G	30	1000MHz	3500	0.28	400
MOX-LCI-0603-10N□	10.0 @ 100MHz	J, G	30	500MHz	2800	0.32	400
MOX-LCI-0603-12N□	12.0@ 100MHz	J, G	30	500MHz	2800	0.35	400
MOX-LCI-0603-15N□	15.0@ 100MHz	J, G	30	500MHz	2500	0.41	350
MOX-LCI-0603-18N□	18.0@ 100MHz	J, G	30	500MHz	2300	0.45	350
MOX-LCI-0603-22N□	22.0@ 100MHz	J, G	30	500MHz	2000	0.50	300
MOX-LCI-0603-27N□	27.0@ 100MHz	J, G	30	500MHz	2000	0.55	300
MOX-LCI-0603-33N□	33.0@ 100MHz	J, G	30	500MHz	1800	0.60	300
MOX-LCI-0603-39N□	39.0@ 100MHz	J, G	30	500MHz	1800	0.80	300
MOX-LCI-0603-47N□	47.0@ 100MHz	J, G	30	500MHz	1800	0.95	250
MOX-LCI-0603-56N□	56.0@ 100MHz	J, G	30	500MHz	1800	1.20	250
MOX-LCI-0603-68N□	68.0@ 100MHz	J, G	30	500MHz	1500	1.30	250
MOX-LCI-0603-82N□	82.0@ 100MHz	J, G	30	500MHz	1500	1.50	250
MOX-LCI-0603-R10□	100.0@ 100MHz	J, G	26	500MHz	1300	1.80	200
MOX-LCI-0603-R12□	120.0@ 100MHz	J, G	26	500MHz	1200	3.00	130
MOX-LCI-0603-R15□	150.0@ 100MHz	J, G	26	500MHz	1100	4.50	100
MOX-LCI-0603-R18□	180.0@ 100MHz	J, G	26	500MHz	1000	6.50	80
MOX-LCI-0603-R22□	220.0@ 100MHz	J, G	26	500MHz	900	7.50	70

ENGINEERING DATA

- Tolerance available: B (±0.15nH) S (±0.30nH) G (±2%) 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 milllohmeter.
- [1]15ºC temperature rise.
- RoHS Compliant.
- Operating temperature: -40°C to +85°C.
- Packaging: Tape & reel (3,000 pcs per reel)
- MoxiE Inductor Corporation specifications are subject to change without notice.