

# MOX-LPCI-0603

## Low Profile Surface Mount Power Inductors

MoxiE's MOX-LPCI-0603 series of surface mount power inductors are widely used in cable modems, notebooks, LCD televisions and digital cameras.

### Features:

- Low cost.
- Ultra low profile package.
- High reliability & easy surface mount assembly.
- Industrial operating temperature: -40°C to +85°C standard.
- Excellent solderability & resistance to soldering heat.
- RoHS compliant.

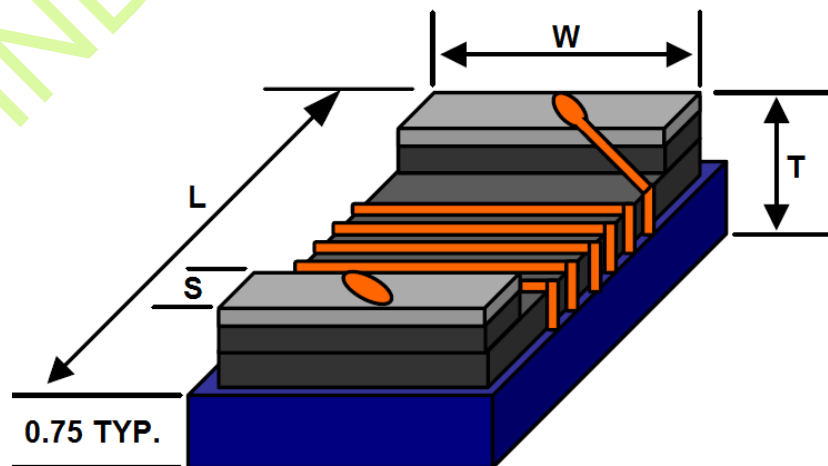


## PART NUMBERS

MOXIE PART NUMBER	L	W	T	S
MOX-LPCI-0603	1.60 ± 0.20	1.05 ± 0.20	1.05 MAX.	0.35 ± 0.10



## MECHANICAL DIMENSIONS





## ELECTRICAL SPECIFICATIONS

MoxiE Part Number	L (μH)	Q Min. @1MHz	L, Q Test Frequency kHz/MHz	S.R.F (MHz) Min.	DCR (Ω) Max.	Isat (mA) Max.	I <sub>dc</sub> (mA) Max.
MOX-LPCI-0603-1R0□	1.0	6	100 / 1	400	0.60	720	680
MOX-LPCI-0603-1R2□	1.2	6	100 / 1	300	0.65	700	650
MOX-LPCI-0603-1R5□	1.5	6	100 / 1	150	0.90	570	520
MOX-LPCI-0603-1R5□	1.8	6	100 / 1	120	0.95	420	480
MOX-LPCI-0603-2R2□	2.2	6	100 / 1	80	1.00	520	470
MOX-LPCI-0603-2R7□	2.7	7	100 / 1	80	1.10	510	460
MOX-LPCI-0603-3R3□	3.3	7	100 / 1	70	1.25	500	450
MOX-LPCI-0603-3R9□	3.9	7	100 / 1	65	1.35	480	430
MOX-LPCI-0603-4R7□	4.7	7	100 / 1	60	1.50	470	420
MOX-LPCI-0603-5R6□	5.6	8	100 / 1	55	2.10	320	270
MOX-LPCI-0603-6R8□	6.8	8	100 / 1	50	2.30	300	250
MOX-LPCI-0603-8R2□	8.2	8	100 / 1	28	2.50	280	230
MOX-LPCI-0603-100□	10.0	10	100 / 1	25	2.90	270	220
MOX-LPCI-0603-120□	12.0	10	100 / 1	20	3.10	240	190



## TEST DATA

- □ Please specify the inductance tolerance code ( K = ±10% or M = ±20%)
- Packaging: tape & reel (3,000 pieces per reel)
- Inductance is measured in HP-4284A precision LCR meter with a SMD-A fixture.
- Q factor is measured in HP-4284A precision LCR meter with a SMD-A fixture.
- SRF is measured in Agilent E-5071B network analyzer.
- RDC is measured in HP-4338B milliohm meter.
- For 25°C rise.
- Unit Weight : 0.035g (ref.)
- MoxiE Inductor Corporation specifications are subject to change without notice.