

# MOX-1008LS



## Surface Mount Wire Wound Ferrite Chip Inductors

MoxiE's MOX-1008LS series of surface mount chip inductors are widely used in PDA's, notebooks, LCD televisions and cable modems. The wire wound ferrite design features a higher self resonate frequency and a better Q factor that provides stable performance. A precision tolerance of  $\pm 5\%$  is available.

### Features:

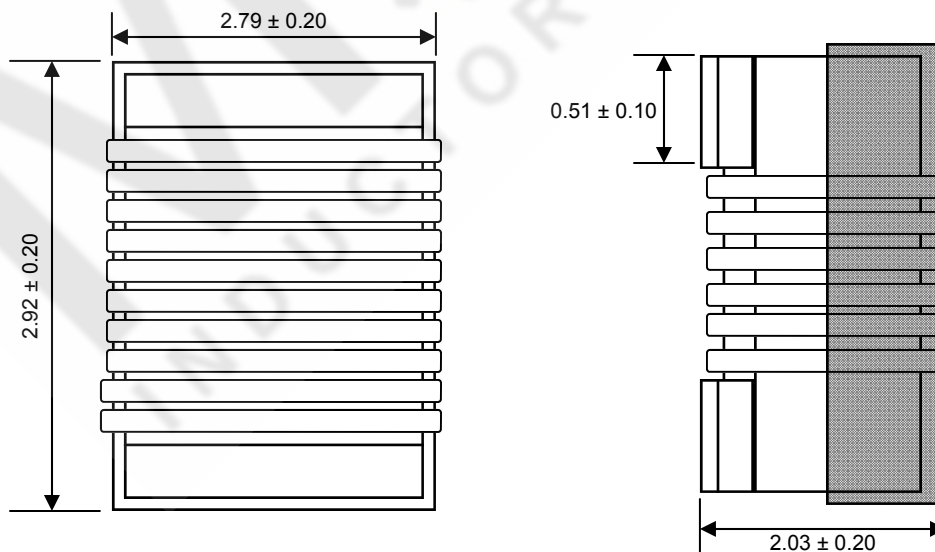
- Low cost.
- Operating temperature:  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ .
- Excellent solderability & resistance to soldering heat.
- RoHS compliant.
- Wide range of inductance values to accommodate various designs.



## LANDING PATTERN



## MECHANICAL DIMENSIONS





## ELECTRICAL SPECIFICATIONS

Part Number	Inductance (μH)	Available Tolerances	Test Frequency	Q (Typical)	SRF (MHz) Minimum	RDC (Ω) Maximum	IDC (mA)
MOX-1008LS-1R2□	1.2	5%(J), 10%(K)	7.96 MHz	35	350	0.50	1200
MOX-1008LS-1R5□	1.5	5%(J), 10%(K)	7.96 MHz	38	300	0.65	1200
MOX-1008LS-1R8□	1.8	5%(J), 10%(K)	7.96 MHz	34	280	0.75	1050
MOX-1008LS-2R2□	2.2	5%(J), 10%(K)	7.96 MHz	34	250	0.90	950
MOX-1008LS-2R7□	2.7	5%(J), 10%(K)	7.96 MHz	38	200	1.00	950
MOX-1008LS-3R3□	3.3	5%(J), 10%(K)	7.96 MHz	42	200	1.15	900
MOX-1008LS-3R9□	3.9	5%(J), 10%(K)	7.96 MHz	37	170	1.25	850
MOX-1008LS-4R7□	4.7	5%(J), 10%(K)	7.96 MHz	37	130	1.35	700
MOX-1008LS-5R6□	5.6	5%(J), 10%(K)	7.96 MHz	36	110	1.45	700
MOX-1008LS-6R8□	6.8	5%(J), 10%(K)	7.96 MHz	33	105	1.60	600
MOX-1008LS-8R2□	8.2	5%(J), 10%(K)	7.96 MHz	40	90	1.80	550
MOX-1008LS-100□	10.0	5%(J), 10%(K)	7.96 MHz	40	85	2.40	500



## MOX-1008LS ENGINEERING NOTES

- Available Tolerances: J= 5%, K= ±10%
- Q is measured on a HP-4287A RF LCR meter with a HP-16193 fixture attached.
- RoHS Compliant.
- MoxiE Inductor Corporation specifications are subject to change without notice.
- MoxiE Inductor Corporation custom designed products are subject to United States Copyright and or patent protection(s).