

MOX-SLI-3012

MoxiE[®]
INDUCTOR CORPORATION

Surface Mount Ultra Low Profile Shielded Inductors

MoxiE's MOX-SLI-3012 of surface mount shielded inductors are engineered for high current, low profile applications.

- Low cost.
- Magnetically shielded construction.
- Ultra low profile package.
- Operating temperature: -40°C to +105°C.
- Excellent solderability & resistance to soldering heat.
- RoHS compliant.

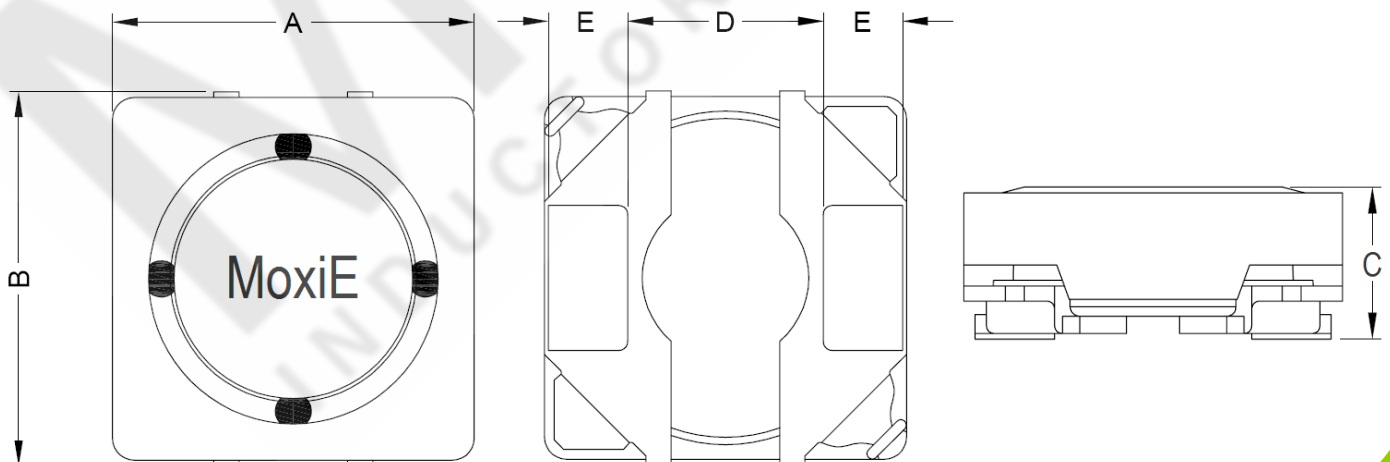


PART NUMBERS

MOXIE PART NUMBER	A	B	C (MAX.)	D (TYP.)	E (TYP.)
MOX-SLI-3012	3.00 ± 0.2	3.00 ± 0.3	1.20	1.50	0.70



MECHANICAL DIMENSIONS





ELECTRICAL SPECIFICATIONS

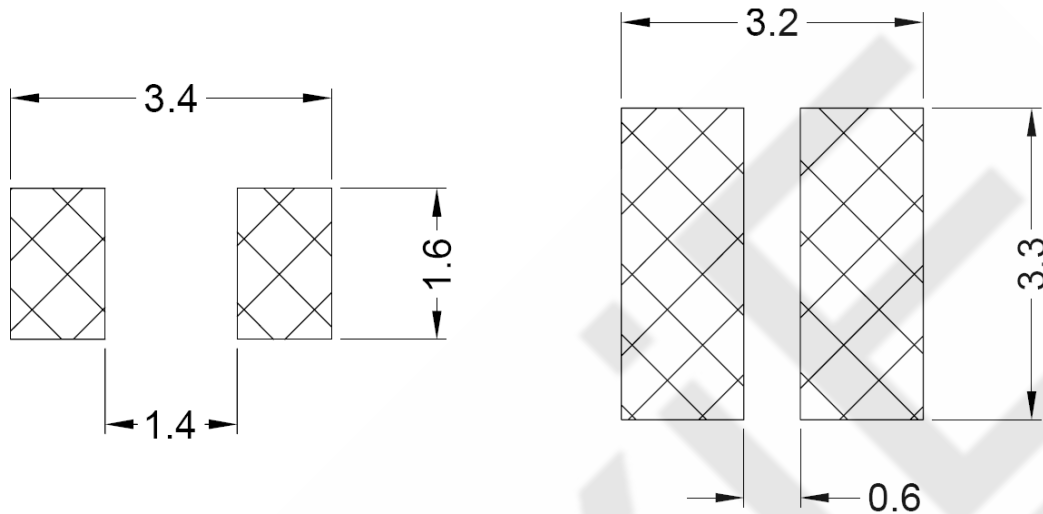
MoxiE Part Number	Inductance (μH)	Test Frequency	RDC ($\text{m}\Omega$) $\pm 20\%$	IDC1 (A)	IDC2 (A)
MOX-SLI-3012-1R0N	1.0 $\pm 30\%$	0.1V/100KHz	52	1.60	1.90
MOX-SLI-3012-1R2N	1.2 $\pm 30\%$	0.1V/100KHz	61	1.50	1.75
MOX-SLI-3012-1R5N	1.5 $\pm 30\%$	0.1V/100KHz	73	1.40	1.70
MOX-SLI-3012-2R2N	2.2 $\pm 30\%$	0.1V/100KHz	105	1.20	1.40
MOX-SLI-3012-3R3N	3.3 $\pm 30\%$	0.1V/100KHz	145	0.95	1.20
MOX-SLI-3012-3R9N	3.9 $\pm 30\%$	0.1V/100KHz	175	0.88	1.10
MOX-SLI-3012-4R7M	4.7 $\pm 20\%$	0.1V/100KHz	205	0.85	1.00
MOX-SLI-3012-5R6M	5.6 $\pm 20\%$	0.1V/100KHz	265	0.70	0.85
MOX-SLI-3012-6R8M	6.8 $\pm 20\%$	0.1V/100KHz	325	0.70	0.80
MOX-SLI-3012-8R2M	8.2 $\pm 30\%$	0.1V/100KHz	375	0.65	0.75
MOX-SLI-3012-100M	10 $\pm 20\%$	0.1V/100KHz	405	0.62	0.70
MOX-SLI-3012-120M	12 $\pm 20\%$	0.1V/100KHz	545	0.60	0.65
MOX-SLI-3012-150M	15 $\pm 20\%$	0.1V/100KHz	675	0.58	0.65
MOX-SLI-3012-220M	22 $\pm 20\%$	0.1V/100KHz	950	0.45	0.45

MOXIE ENGINEERING NOTES:

- IDC1: BASED ON INDUCTANCE CHANGE (AL/L0: <30%) @ AMBIENT TEMPERATURE OF +25°C.
- IDC2: BASED ON TEMPERATURE RISE (ΔT : +40°C TYPICAL)
- MOXIE INDUCTOR CORPORATION CUSTOM INDUCTANCE VALUES AVAILABLE.—CONTACT MOXIE FOR SPECIAL REQUESTS.
- OPERATING TEMPERATURE: -40°C TO +105°C. (INCLUDING SELF TEMPERATURE RISE.)
- RoHS COMPLIANT.
- PACKAGING: TAPE & REEL (3,000 PIECES PER REEL)
- MOXIE INDUCTOR CORPORATION SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
- MOXIE INDUCTOR CORPORATION CUSTOM DESIGNED PRODUCT(S) ARE SUBJECT TO UNITED STATES PATENT AND OR COPYRIGHT PROTECTION(S).



LANDING PATTERNS



PCB PATTERN 1

PCB PATTERN 2



MATERIALS

WIRE	CORE	TERMINAL CLIP	ADHESIVE	INK MARKING
POLYURETHANE ENAMELLED COPPER WIRE	HIGH CURRENT FERRITE	C5191	RoHS EPOXY	70000-00101

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