

MOX-SLI-4012

Surface Mount Ultra Low Profile Shielded Inductors

MoxiE's MOX-SLI-4012 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.

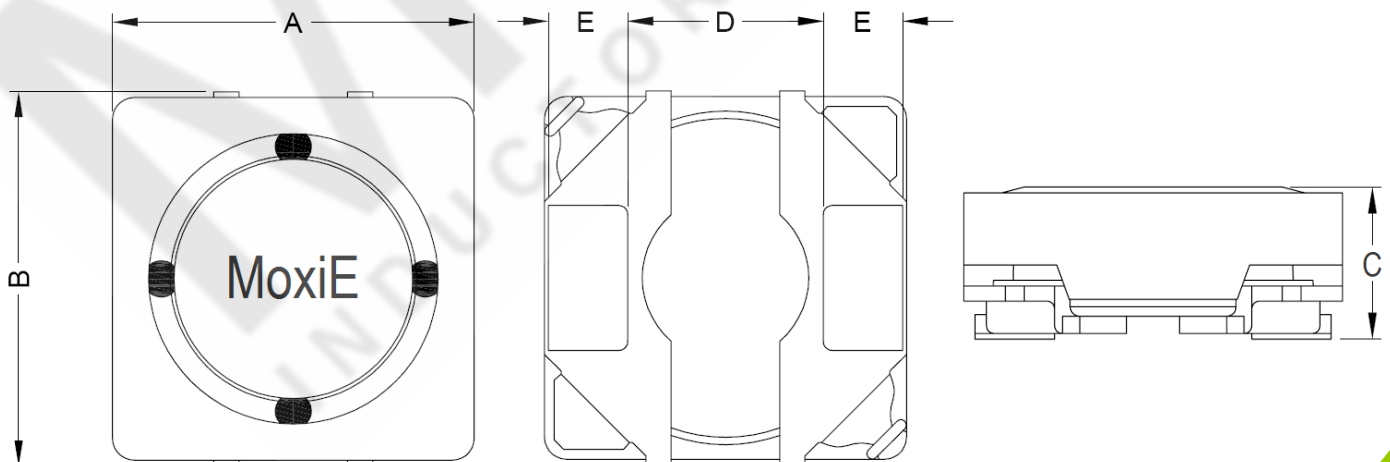


PART NUMBERS

MOXIE PART NUMBER	A	B	C (MAX.)	D (TYP.)	E (TYP.)
MOX-SLI-4012	4.00 ± 0.2	4.00 ± 0.3	1.20	2.10	0.90



MECHANICAL DIMENSIONS





ELECTRICAL SPECIFICATIONS

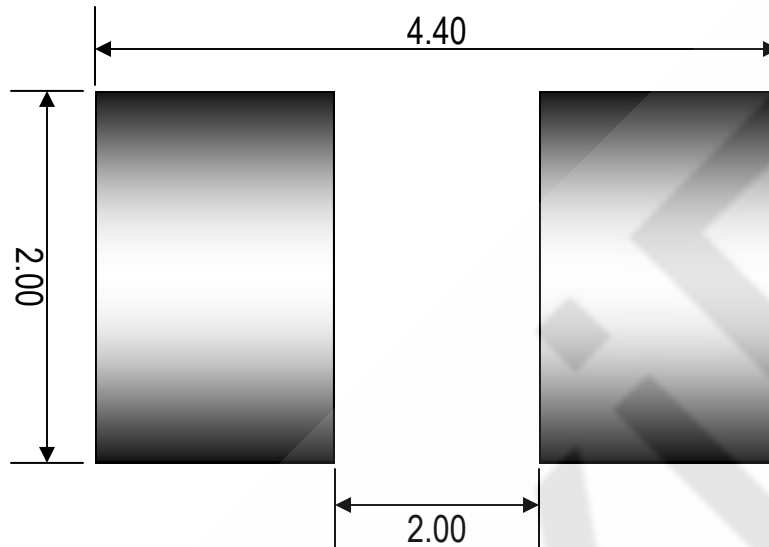
MoxiE Part Number	Inductance (μH)	Test Frequency	RDC (mΩ) ±20%	IDC1 (A)	IDC2 (A)
MOX-SLI-4012-1R2N	1.2±30%	0.1V/100KHz	53	2.20	2.30
MOX-SLI-4012-1R5N	1.5±30%	0.1V/100KHz	64	1.80	1.90
MOX-SLI-4012-2R2N	2.2±30%	0.1V/100KHz	82	1.60	1.70
MOX-SLI-4012-3R3N	3.3±30%	0.1V/100KHz	95	1.50	1.52
MOX-SLI-4012-4R7M	4.7±20%	0.1V/100KHz	135	1.20	1.30
MOX-SLI-4012-6R8M	6.8±20%	0.1V/100KHz	162	1.10	1.24
MOX-SLI-4012-8R2M	8.2±20%	0.1V/100KHz	205	1.00	1.08
MOX-SLI-4012-100M	10±20%	0.1V/100KHz	250	0.85	0.96
MOX-SLI-4012-120M	12±20%	0.1V/100KHz	290	0.75	0.92
MOX-SLI-4012-150M	15±30%	0.1V/100KHz	375	0.72	0.84
MOX-SLI-4012-180M	18±20%	0.1V/100KHz	440	0.65	0.71
MOX-SLI-4012-220M	22±20%	0.1V/100KHz	630	0.62	0.58
MOX-SLI-4012-270M	27±20%	0.1V/100KHz	740	0.50	0.50
MOX-SLI-4012-330M	33±20%	0.1V/100KHz	835	0.45	0.48

MOXIE ENGINEERING NOTES:

- IDC1: BASED ON INDUCTANCE CHANGE (AL/Lo: <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



MATERIALS

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

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