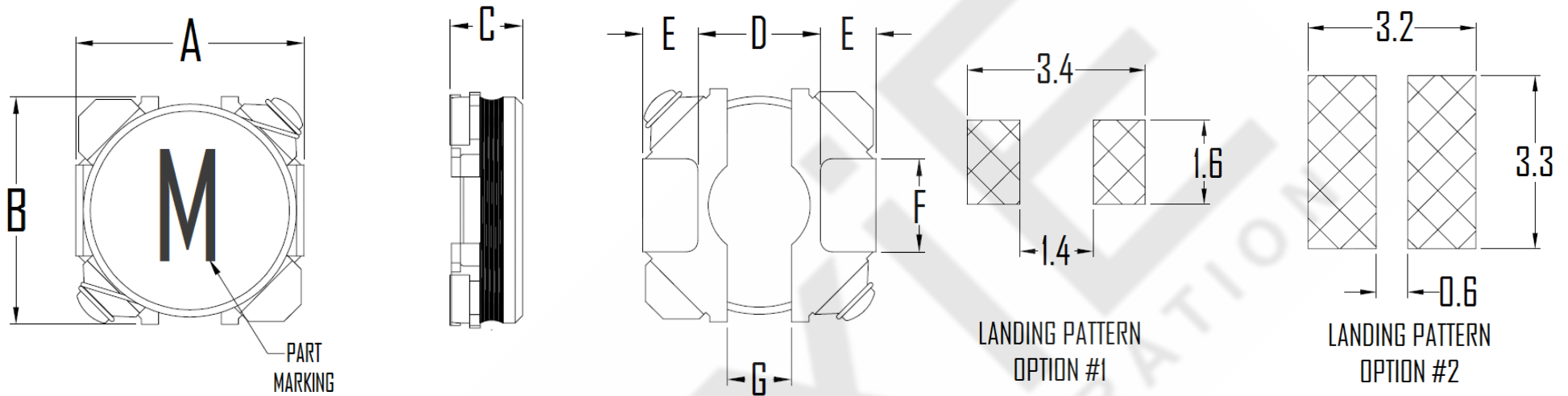


MECHANICAL (mm)



MOXIE PART NUMBER	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D	DIMENSION E	DIMENSION F	DIMENSION G
MOX-SPIL-0305	3.00±0.20	2.90±0.20	1.50 MAX.	1.50 TYP.	0.76 TYP.	1.20 TYP.	0.70 TYP.

MOXIE NOTES:

- Packaging: Tape & Reel. (3,000 pieces per reel)
- Available tolerances: M=±20%, N=±30%.
- Operating temperature: -40°C to +105°C (Including self temperature rise)
- Resistance to soldering heat: 250°C for ten (10) seconds.
- Inductance measured on a HP LCR meter 4284A or MoxiE equivalent.
- DC resistance is measured on a HP4338B Milliohms meter or MoxiE equivalent.
- Rated current is measured by LCR meter 3260B (WK) & DC bias 3265B (WK)
- Rated current: Value obtained when the current and the temperature have risen to 40°C or when the DC current flows and the initial value of inductance has fallen by 35% (whichever is less)
- RoHS Compliant.
- MoxiE Inductor Corporation custom designs are subject to United States copyright and or patent protection(s).

MoxiE
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SMD SHIELDED LOW PROFILE POWER INDUCTORS

MOXIE MOX-SPIL-0305 SERIES

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REV. B

DWG NUMBER: MOX-SPIL0305

ELECTRICAL

MoxiE Part Number	Inductance (μH)	Available Tolerances	Test Frequency	RDC ($\text{m}\Omega$) $\pm 20\%$	IDC1 (A)	IDC2 (A)	Part Marking
MOX-SPIL-0305-R68N	0.68	N	0.1V/100KHz	37	3.40	2.05	8
MOX-SPIL-0305-IRON	1.00	N	0.1V/100KHz	42	3.00	1.86	A
MOX-SPIL-0305-IRON	1.20	N	0.1V/100KHz	54	2.50	1.72	B
MOX-SPIL-0305-1R5N	1.50	N	0.1V/100KHz	70	2.20	1.58	C
MOX-SPIL-0305-1R8N	1.80	N	0.1V/100KHz	78	2.00	1.47	D
MOX-SPIL-0305-2R2 (M/N)	2.20	M, N	0.1V/100KHz	96	1.90	1.36	E
MOX-SPIL-0305-2R7 (M/N)	2.70	M, N	0.1V/100KHz	108	1.70	1.32	F
MOX-SPIL-0305-3R3 (M/N)	3.30	M, N	0.1V/100KHz	118	1.60	1.27	G
MOX-SPIL-0305-4R7M	4.70	M	0.1V/100KHz	175	1.30	1.07	I
MOX-SPIL-0305-5R6M	5.60	M	0.1V/100KHz	195	1.20	1.02	J
MOX-SPIL-0305-6R8M	6.80	M	0.1V/100KHz	215	1.10	0.96	K
MOX-SPIL-0305-100M	10.00	M	0.1V/100KHz	328	0.95	0.78	M
MOX-SPIL-0305-150M	15.00	M	0.1V/100KHz	537	0.70	0.60	O
MOX-SPIL-0305-220M	22.00	M	0.1V/100KHz	775	0.65	0.45	Q
MOX-SPIL-0305-470M	47.00	M	0.1V/100KHz	1675	0.40	0.28	U

MOXIE NOTES:

- Packaging: Tape & Reel. (3,000 pieces per reel)
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REV. B

DWG NUMBER: MOX-SPIL0305