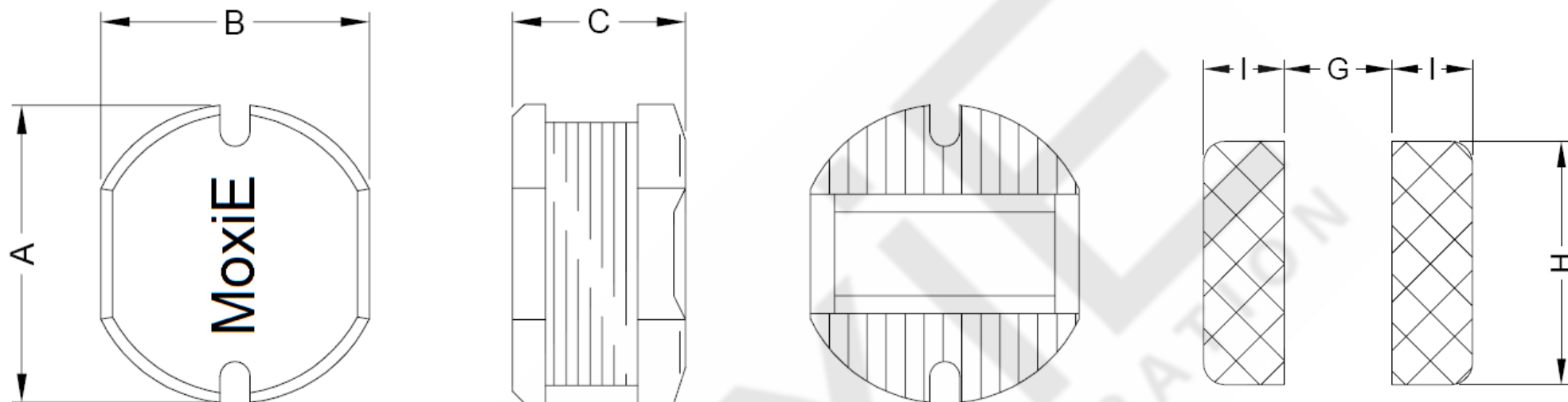


MECHANICAL (mm)



A	B	C	G	H	I
7.8±0.3	7.0±0.3	5.0±0.5	2.00 Ref.	7.50 Ref.	3.00 Ref.

MOXIE NOTES:

- Packaging: Tape & Reel (1,000 pcs per reel)
- Operating temperature range: -40°C to +85°C.
- Storage temperature range: -40°C to +125°C.
- RoHS-6 peak wave solder temperature rating 260°C.
- RoHS Compliant.
- MoxiE Inductor Corporation custom designs are subject to United States copyright and or patent protection(s).
- MoxiE Inductor Corporation specifications are subject to change without notice.

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UNSHIELDED SMD POWER INDUCTORS

MOXIE MOX-UIP2-0805 SERIES

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REV. A

DWG NUMBER: MOXUIP20805

ELECTRICAL @ 25 °C

MoxiE Part Number	Inductance (µH)	Tolerance (%)	Q Ref.	Test Frequency (MHz)	SRF Min. (MHz)	RDC (Ω)	I _{rms} Max. (A)	I _{sat} Typ. (A)
MOX-UPI2-0805-1R5M	1.5	±20	32	7.96	120	0.02	6.05	9.12
MOX-UPI2-0805-2R5M	2.5	±20	32	7.96	70	0.02	5.05	7.24
MOX-UPI2-0805-3R3M	3.3	±20	32	7.96	55	0.02	4.55	6.33
MOX-UPI2-0805-3R9M	3.9	±20	32	7.96	45	0.02	4.45	5.75
MOX-UPI2-0805-4R7M	4.7	±20	31	7.96	38	0.03	3.72	5.04
MOX-UPI2-0805-5R6M	5.6	±20	31	7.96	34	0.04	3.54	4.63
MOX-UPI2-0805-6R8M	6.8	±20	30	7.96	33	0.04	3.25	4.15
MOX-UPI2-0805-7R5M	7.5	±20	29	7.96	30	0.05	2.84	3.72
MOX-UPI2-0805-100M	10	±20	25	2.52	22	0.07	2.33	3.24
MOX-UPI2-0805-120M	12	±20	25	2.52	20	0.08	2.05	3.09
MOX-UPI2-0805-150M	15	±20	25	2.52	16	0.09	1.84	2.74
MOX-UPI2-0805-180M	18	±20	20	2.52	15	0.10	1.62	2.65
MOX-UPI2-0805-220M	22	±20	20	2.52	13	0.11	1.53	2.34
MOX-UPI2-0805-270M	27	±20	20	2.52	12	0.12	1.36	2.12
MOX-UPI2-0805-330K	33	±10	15	2.52	10	0.14	1.25	1.94
MOX-UPI2-0805-390K	39	±10	15	2.52	10	0.16	1.14	1.76
MOX-UPI2-0805-470K	47	±10	15	2.52	9	0.20	1.06	1.65
MOX-UPI2-0805-560K	56	±10	15	2.52	9	0.24	0.97	1.54
MOX-UPI2-0805-680K	68	±10	15	2.52	8	0.30	0.88	1.37
MOX-UPI2-0805-820K	82	±10	12	2.52	7	0.37	0.80	1.24
MOX-UPI2-0805-101K	100	±10	12	0.796	7	0.45	0.76	1.15
MOX-UPI2-0805-121K	120	±10	12	0.796	6	0.48	0.68	1.04

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REV. A

DWG NUMBER: MOXUPI20805

ELECTRICAL @ 25 °C

MoxiE Part Number	Inductance (µH)	Tolerance (%)	Q Ref.	Test Frequency (MHz)	SRF Min. (MHz)	RDC (Ω)	I _{rms} Max. (A)	I _{sat} Typ. (A)
MOX-UPI2-0805-151K	150	±10	12	0.796	6	0.68	0.60	0.88
MOX-UPI2-0805-181K	180	±10	12	0.796	5	0.77	0.53	0.85
MOX-UPI2-0805-221K	220	±10	12	0.796	5	0.96	0.52	0.82
MOX-UPI2-0805-271K	270	±10	12	0.796	5	1.11	0.44	0.69
MOX-UPI2-0805-331K	330	±10	12	0.796	4	1.26	0.42	0.60
MOX-UPI2-0805-391K	390	±10	12	0.796	4	1.77	0.38	0.57
MOX-UPI2-0805-471K	470	±10	12	0.796	4	1.96	0.36	0.54
MOX-UPI2-0805-561K	560	±10	30	0.796	4	2.50	0.34	0.48
MOX-UPI2-0805-681K	680	±10	29	0.796	3	2.80	0.30	0.45
MOX-UPI2-0805-821K	820	±10	28	0.796	3	4.00	0.25	0.38
MOX-UPI2-0805-102K	1000	±10	27	0.252	3	4.50	0.22	0.36
MOX-UPI2-0805-122K	1200	±10	28	0.252	2	6.80	0.19	0.30
MOX-UPI2-0805-152K	1500	±10	27	0.252	2	8.00	0.17	0.28
MOX-UPI2-0805-182K	1800	±10	30	0.252	2	9.20	0.16	0.25
MOX-UPI2-0805-222K	2200	±10	29	0.252	2	10.00	0.15	0.22
MOX-UPI2-0805-272K	2700	±10	31	0.252	1	11.80	0.13	0.20
MOX-UPI2-0805-332K	3300	±10	28	0.252	1	16.50	0.12	0.19
MOX-UPI2-0805-392K	3900	±10	28	0.252	1	18.00	0.10	0.18
MOX-UPI2-0805-472K	4700	±10	30	0.252	1	21.00	0.09	0.16

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REV. A

DWG NUMBER: MOXUPI20805