

# MOX-UPI-0802 SERIES

MoxiE's UPI-0802 surface mount power inductors are engineered for the stringent high current requirements of step up and step down transformers, notebook computers and various other handheld devices. MoxiE offers a unique industrial design to meet the most robust applications. The MOX-UPI-0802 is available in a wide range of inductance values to meet your design requirements.

## Features:

- RoHS compliant.
- High current ratings.
- Low cost.

**MoxiE**  
INDUCTOR CORPORATION



## NOTES

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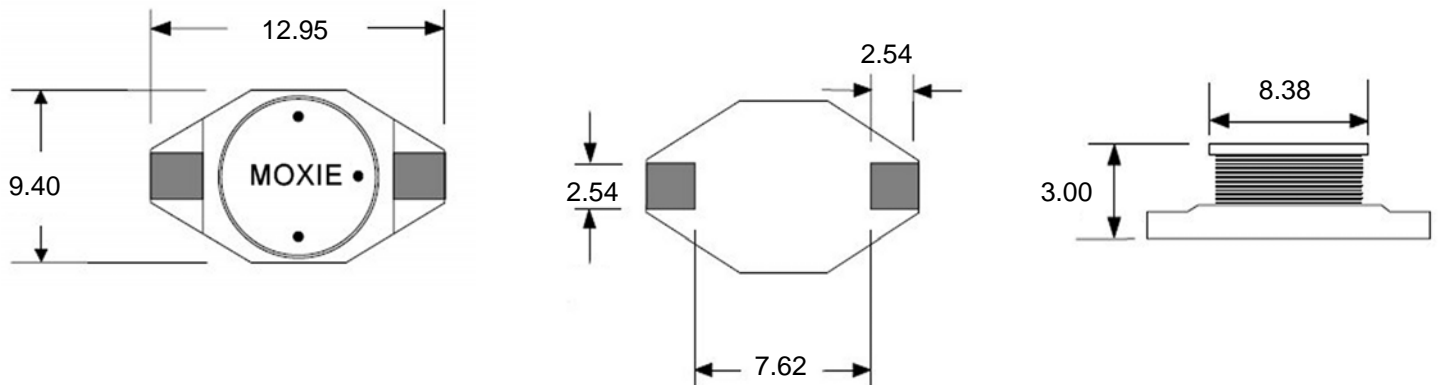
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## MECHANICAL DIMENSIONS





## ELECTRICAL SPECIFICATIONS

MoxiE Part Number	Available Tolerances	Inductance (uH)	Test Frequency (kHz)	RDC (Ω Max.)	Isat (1) (A)	Irms (2) (A)	SRF (MHz)Typ.
MOX-UPI-0802-100M-N	20(M)	10	100 KHz,0.1 V	0.09	2.7	2.3	35.0
MOX-UPI-0802-150M-N	20(M)	15	100 KHz,0.1 V	0.12	2.3	1.9	34.0
MOX-UPI-0802-220M-N	20(M)	22	100 KHz,0.1 V	0.19	1.8	1.5	25.0
MOX-UPI-0802-330M-N	20(M)	33	100 KHz,0.1 V	0.25	1.6	1.2	19.0
MOX-UPI-0802-470M-N	20(M)	47	100 KHz,0.1 V	0.32	1.3	1.0	14.0
MOX-UPI-0802-680M-N	20(M)	68	100 KHz,0.1 V	0.55	1.1	0.9	12.0
MOX-UPI-0802-101M-N	20(M)	100	100 KHz,0.1 V	0.70	0.87	0.74	10.0
MOX-UPI-0802-151M-N	20(M)	150	100 KHz,0.1 V	1.00	0.75	0.63	8.0
MOX-UPI-0802-221M-N	20(M)	220	100 KHz,0.1 V	1.60	0.55	0.51	6.0
MOX-UPI-0802-331M-N	20(M)	330	100 KHz,0.1 V	2.20	0.51	0.40	5.0
MOX-UPI-0802-471M-N	20(M)	470	100 KHz,0.1 V	3.30	0.40	0.33	4.0
MOX-UPI-0802-681M-N	20(M)	680	100 KHz,0.1 V	4.40	0.33	0.28	3.0
MOX-UPI-0802-102M-N	20(M)	1000	100 KHz,0.1 V	7.00	0.29	0.23	2.5



## ENGINEERING DATA

- (1) DC current at which the inductance drops 10% (typ) from its value without current.
- (2) Current that causes a 40°C temperature rise from 25°C ambient.
- Operating temperature range -40°C to +85°C.
- All electrical specifications are at 25°C.
- Inductance measured with zero DC current.
- Packaging: Tape & reel.
- Weight: Approx. 600mg.
- Core material: Ferrite.
- Terminations: RoHS gold over nickel over phos bronze. MoxiE custom terminations available at extra cost.
- RoHS Compliant.
- MoxiE Inductor Corporation custom specifications are subject to United States patent and or copyright protection(s).
- MoxiE Inductor Corporation specifications are subject to change without notice.