

MOX-UPI-0804 SERIES

MoxiE's UPI-0804 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-0804 is available in a wide range of inductance values to meet your design requirements.

Features:

- RoHS compliant.
- High current ratings.
- Low cost.
- MoxiE custom designs available.

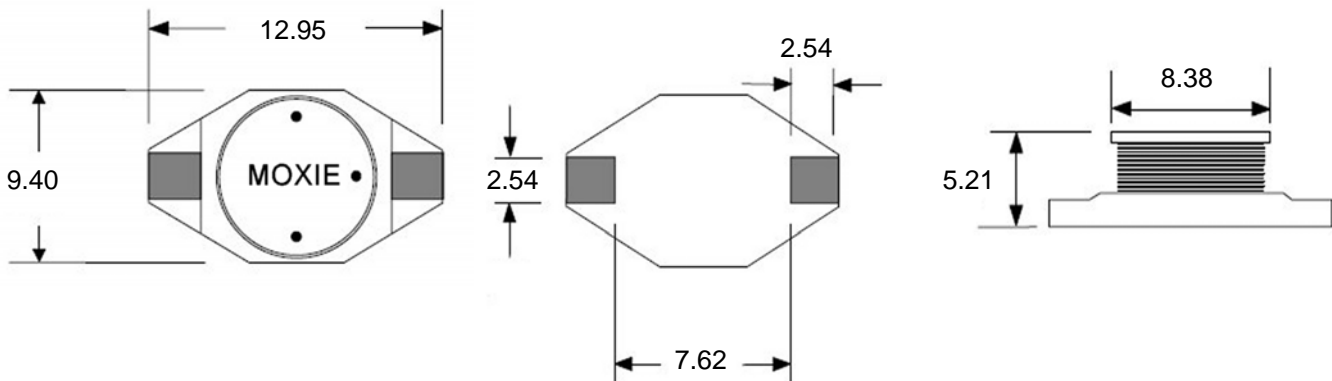
MoxiE
INDUCTOR CORPORATION



NOTES



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-0804-1R0M-N	20(M)	1.0	100 KHz,0.1 V	0.009	9.00	6.80	100.0
MOX-UPI-0804-1R5M-N	20(M)	1.5	100 KHz,0.1 V	0.010	8.00	6.40	90.0
MOX-UPI-0804-2R2M-N	20(M)	2.2	100 KHz,0.1 V	0.012	7.00	6.10	80.0
MOX-UPI-0804-3R3M-N	20(M)	3.3	100 KHz,0.1 V	0.015	6.40	5.40	65.0
MOX-UPI-0804-4R7M-N	20(M)	4.7	100 KHz,0.1 V	0.018	5.40	4.80	45.0
MOX-UPI-0804-6R8M-N	20(M)	6.8	100 KHz,0.1 V	0.027	4.60	4.40	38.0
MOX-UPI-0804-100M-N	20(M)	10.0	100 KHz,0.1 V	0.038	3.80	3.90	30.0
MOX-UPI-0804-150M-N	20(M)	15.0	100 KHz,0.1 V	0.046	3.00	3.10	27.0
MOX-UPI-0804-220M-N	20(M)	22.0	100 KHz,0.1 V	0.085	2.60	2.70	19.0
MOX-UPI-0804-330M-N	20(M)	33.0	100 KHz,0.1 V	0.100	2.00	2.10	15.0
MOX-UPI-0804-470M-N	20(M)	47.0	100 KHz,0.1 V	0.140	1.60	1.80	12.0
MOX-UPI-0804-680M-N	20(M)	68.0	100 KHz,0.1 V	0.200	1.40	1.50	10.0
MOX-UPI-0804-101M-N	20(M)	100.0	100 KHz,0.1 V	0.280	1.20	1.30	9.00
MOX-UPI-0804-151M-N	20(M)	150.0	100 KHz,0.1 V	0.400	1.00	1.00	6.00
MOX-UPI-0804-221M-N	20(M)	220.0	100 KHz,0.1 V	0.610	0.80	0.80	5.00
MOX-UPI-0804-331M-N	20(M)	330.0	100 KHz,0.1 V	1.020	0.60	0.60	4.50
MOX-UPI-0804-471M-N	20(M)	470.0	100 KHz,0.1 V	1.270	0.50	0.50	3.50
MOX-UPI-0804-681M-N	20(M)	680.0	100 KHz,0.1 V	2.020	0.40	0.40	2.50
MOX-UPI-0804-102M-N	20(M)	1000.0	100 KHz,0.1 V	3.000	0.30	0.30	2.00



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.
- 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.