

# MOX-SPI-7367 Series

**MoxiE**  
INDUCTOR CORPORATION

## SURFACE MOUNT ULTRA HIGH CURRENT POWER INDUCTORS

MoxiE's MOX-SPI-7367 of ultra high current power inductors are engineered to handle high transient current spike without saturation.

### Features:

- Operating Temperature: -40°C to +155°C.
- Storage Temperature: -40°C to +155°C.
- Shielded construction.
- Handles high transient current spikes without saturation.
- RoHS compliant.
- Ultra low buzz noise due to composite construction.
- MoxiE Inductor Corporation Patent pending.



## NOTES

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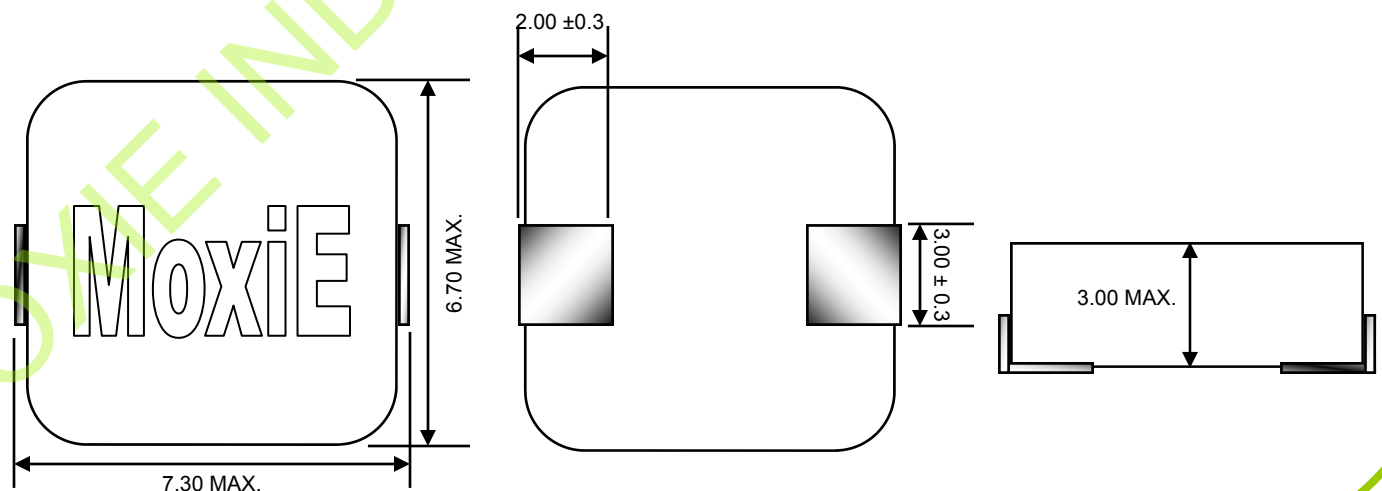
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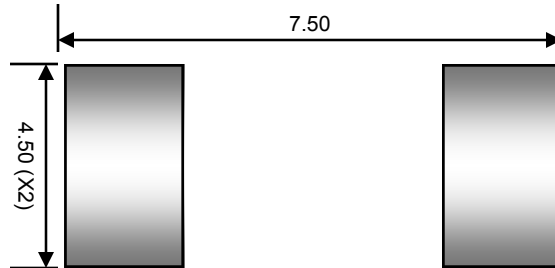


## MECHANICAL DIMENSIONS





## LANDING PATTERN



## ELECTRICAL SPECIFICATIONS

MoxiE Part Number	Inductance ( $\mu\text{H}$ ) $\pm 20\%$	DCR ( $\Omega$ TYP.)	DCR ( $\Omega$ MAX.)	ISAT (A MAX.)	IRMS (A MAX.)
MOX-SPI-7367-R10M	0.10	0.0009	0.0012	60.0	30.0
MOX-SPI-7367-R20M	0.20	0.0024	0.0030	42.0	24.0
MOX-SPI-7367-R33M	0.33	0.0035	0.0039	32.0	21.0
MOX-SPI-7367-R47M	0.47	0.0040	0.0043	28.0	18.0
MOX-SPI-7367-R68M	0.68	0.0050	0.0055	26.0	16.0
MOX-SPI-7367-R82M	0.82	0.0067	0.008	24.0	14.0
MOX-SPI-7367-1R0M	1.00	0.0090	0.010	22.0	12.0
MOX-SPI-7367-1R5M	1.50	0.014	0.015	18.0	9.50
MOX-SPI-7367-2R2M	2.20	0.018	0.020	15.0	8.50
MOX-SPI-7367-3R3M	3.30	0.028	0.030	3.0	7.00
MOX-SPI-7367-4R7M	4.70	0.037	0.040	10.0	5.50
MOX-SPI-7367-6R8M	6.80	0.054	0.060	8.00	4.50
MOX-SPI-7367-8R2M	8.20	0.064	0.070	7.50	4.20
MOX-SPI-7367-100M	10.00	0.102	0.105	7.00	3.50



## MOX-SPI-7367 ENGINEERING NOTES

- The temperature increases by 40°C from it's initial value.
- 4.5A drop 20% maximum @ 100kHz / 100mV
- Measured frequency for inductance: 100kHz.
- Packaging: Tape & Reel. (1,000 pieces per reel)  $\Phi$  330mm reel.
- RoHS Compliant.
- MoxiE Inductor Corporation specifications are subject to change without notice.