

# MOX-MOX-VTI-LM25

**MoxiE**<sup>®</sup>  
INDUCTOR CORPORATION

**VERTICAL MOUNT TOROID POWER INDUCTOR  
DESIGNED FOR NATIONAL'S 150kHz SIMPLE SWITCHER™**

- MEETS UL 94V-0 FLAMMABILITY REQUIREMENTS.
- OPERATING TEMPERATURE RANGE: -40°C TO +130°C.
- RoHS COMPLIANT.
- SINGLE LAYER CONSTRUCTION PROVIDES HIGH SRF.
- VERTICAL MOUNT PACKAGE OFFERS ROBUST MOUNTING.
- MOXIE INDUCTOR CORPORATION CUSTOM DESIGNS AVAILABLE.

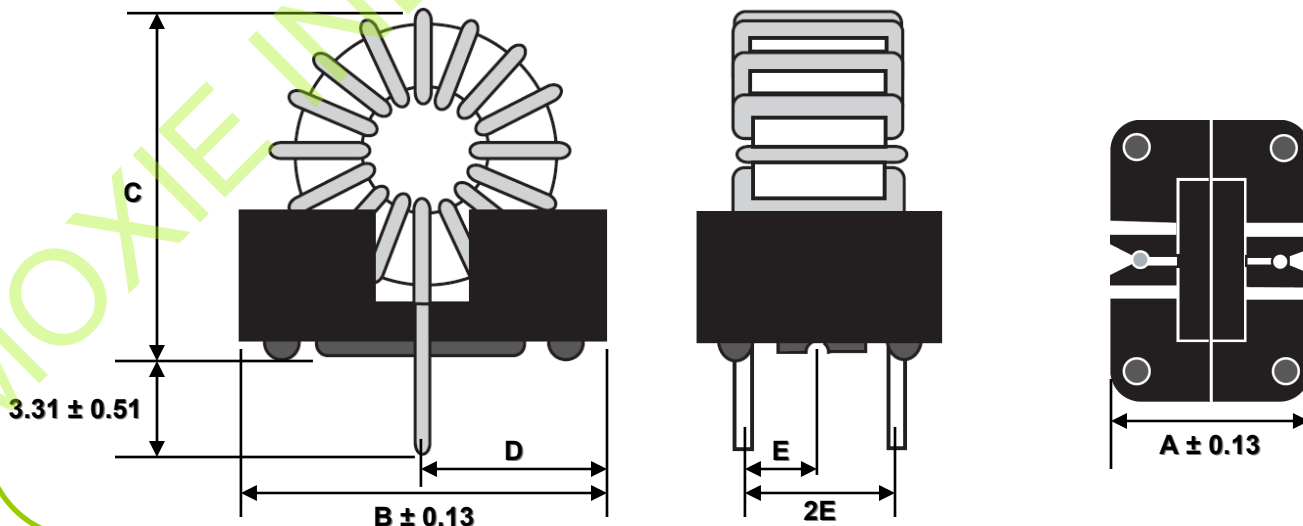


## PART NUMBER

MoxiE Part Number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
MOX-VTI-LM25	11.43	21.09	24.13 MAX.	10.55 TYP.	3.81 TYP.



## MECHANICAL DIMENSIONS (mm)



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## ELECTRICAL SPECIFICATIONS @ 25°C

MoxiE Part Number	National Part Number	Nominal Inductance <sup>1</sup> (μH)	Rated Current (A <sub>DC</sub> )	Max E <sub>Top</sub> <sup>1</sup> (V-μSec)	Nominal DCR (Ω)	Operating Temperature
MOX-VTI-LM25-35	LM259X-L35	250.0	1.55	72.80	0.23	-40°C to +130°C
MOX-VTI-LM25-36	LM259X-L36	168.0	1.84	76.00	0.18	-40°C to +130°C
MOX-VTI-LM25-37	LM259X-L37	114.0	2.25	62.80	0.10	-40°C to +130°C
MOX-VTI-LM25-38	LM259X-L38	77.0	2.75	53.00	0.09	-40°C to +130°C
MOX-VTI-LM25-39	LM259X-L39	53.0	3.10	43.00	0.08	-40°C to +130°C
MOX-VTI-LM25-40	LM259X-L40	38.0	3.05	29.90	0.05	-40°C to +130°C



## ENGINEERING DATA

- <sup>1</sup>E<sub>Top</sub> rated at 260kHz.
- RoHS compliant.
- <sup>1</sup>Inductance values may vary ±20%.
- All electrical specifications are at 25°C.
- Simple Switcher™ is a trademark of National Semiconductor Corporation.
- The temperature of the component must be within the stated operating temperature range.
- MoxiE recommends using an actual sample for PC board layout and thru-hole diameter.
- MoxiE Inductor Corporation specifications are subject to change without notice.
- MoxiE Inductor Corporation custom designed products are subject to United States Copyright and or patent protection(s).