

MOX-VTI SERIES



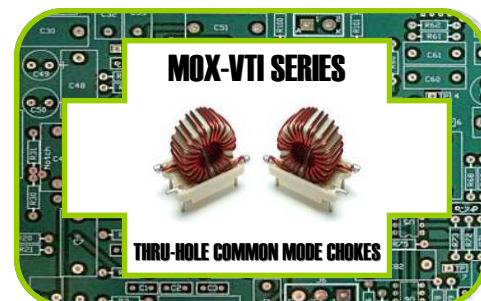
MoxiE
INDUCTOR CORPORATION

THRU-HOLE VERTICAL COMMON MODE CHOKES

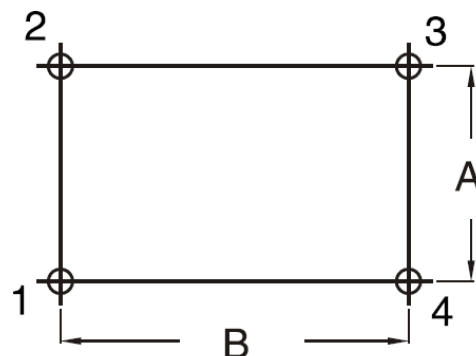
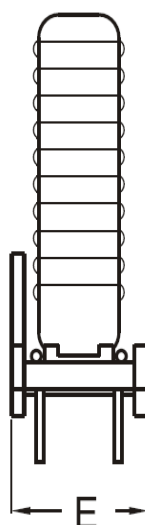
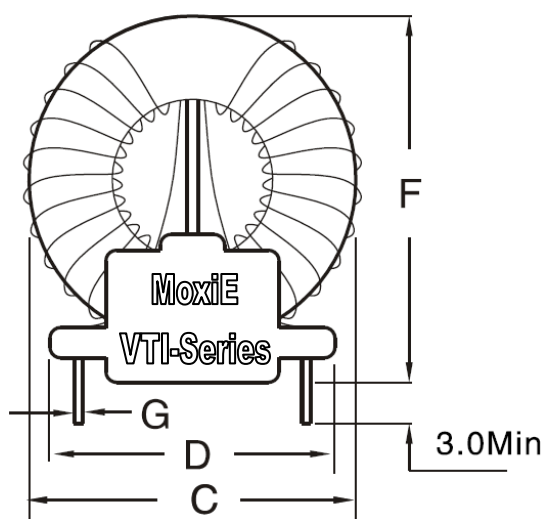
MoxiE's MOX-VTI series of common mode chokes offers a reinforced epoxy construction with industrial grade L-pin mounting that provides excellent mechanical strength, high reliability and low resistance.

FEATURES:

- Low cost.
- Operating temperature: -40°C to +105°C.
- Storage temperature: -40°C to +105°C.
- RoHS compliant.
- Low resistance & temperature rise.
- MoxiE custom designs available.



MECHANICAL DIMENSIONS

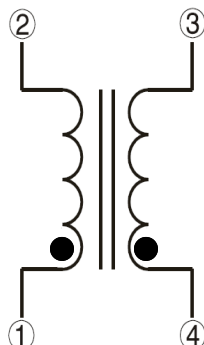


MoxiE Part Number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
MOX-VTI-1012	10.16	20.32	34.30	25.40	17.78	31.52	1.20
MOX-VTI-1522	15.24	22.86	36.83	27.94	22.86	33.50	1.20
MOX-VTI-1730	17.78	30.48	44.45	35.56	25.40	44.70	1.20
MOX-VTI-2238	22.86	38.10	52.07	43.18	30.48	58.00	1.20

MoxiE Custom Designs Available.



SCHEMATIC



ELECTRICAL SPECIFICATIONS

MoxiE Part Number	Inductance (mH) Min.	Rated RMS Current (Amps)	DCR Each Winding (Ω Max.)	Leakage (μ H) Typical
MOX-VTI-1012-1R0	1.0	15.0	0.010	12
MOX-VTI-1012-2R0	2.0	9.0	0.020	25
MOX-VTI-1012-3R0	3.0	6.0	0.030	35
MOX-VTI-1012-4R0	4.0	3.5	0.040	45
MOX-VTI-1012-8R0	8.0	2.5	0.120	90
MOX-VTI-1012-100	10.0	2.2	0.240	130
MOX-VTI-1012-160	16.0	1.5	0.320	180
MOX-VTI-1522-1R2	1.2	15	0.010	12
MOX-VTI-1522-2R0	2.0	8.7	0.020	25
MOX-VTI-1522-3R0	3.0	6.5	0.054	35
MOX-VTI-1522-4R0	4.0	5.4	0.105	45
MOX-VTI-1522-8R0	8.0	3.5	0.143	85
MOX-VTI-1522-100	10.0	3.0	0.35	130
MOX-VTI-1522-160	16.0	2.2	0.40	180

MoxiE Part Number	Inductance (mH) Min.	Rated RMS Current (Amps)	DCR Each Winding (Ω Max.)	Leakage (μ H) Typical
MOX-VTI-1730-3R0	3.0	15	0.009	20
MOX-VTI-1730-5R0	5.0	12	0.035	50
MOX-VTI-1730-120	12.0	6.8	0.098	95
MOX-VTI-1730-150	15.0	4.2	0.132	150
MOX-VTI-1730-220	22.0	3.2	0.352	280
MOX-VTI-1730-330	33.0	2.0	0.730	300
MOX-VTI-1730-560	56.0	1.8	1.0	550
MOX-VTI-2238-6R0	6.0	18	0.028	100
MOX-VTI-2238-100	10.0	15	0.033	120
MOX-VTI-2238-150	15.0	9.0	0.060	180
MOX-VTI-2238-220	22.0	6.0	0.117	180
MOX-VTI-2238-330	33.0	4.2	0.124	450
MOX-VTI-2238-720	72.0	2.6	0.50	600
MOX-VTI-2238-121	120.0	1.5	1.15	900



ENGINEERING NOTES

- Inductance tolerance in +50% -30%
- Maximum operating voltage: 250V @ 40°C.
- IDC Maximum rating: AC/DC current A @ 40°C.
- Hi-Pot 2500 Vac winding to winding 3S.
- Inductance testing: 10KHz 0.1V on a HP4284A.
- RDC testing: QuadTech 1880 Milliohmmeter.
- Surge current maximum: 10ms: 20X IDC.
- Resistance to soldering heat: 260°C for 10 seconds.
- Marking: MoxiE part number & date code.
- Operating temperature: -40°C to 105°C. (storage temperature -40°C to 105°C)
- RoHS compliant.
- MoxiE custom designs subject to U.S. patent and or copyright protection.
- MoxiE Inductor Corporation specifications are subject to change without notice.