MOX-VTIL-3030 SERIES

VERTICAL MOUNT TOROID INDUCTORS

MoxiE INDUCTOR CORPORATION

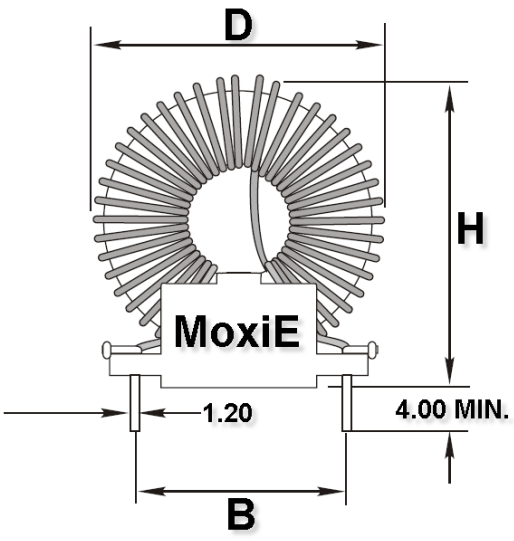
Features:

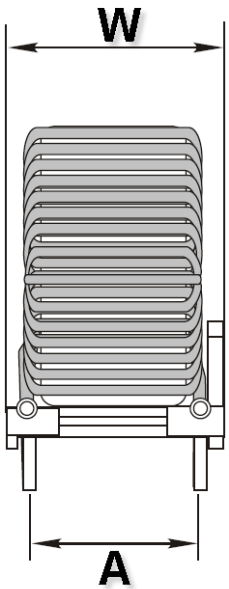
- Low cost.
- Vertical mounting.
- Reinforced L-pin base to prevent lead shearing.
- Low core loss.
- Horizontal mounting available.
- Encapsulation available.
- MoxiE custom designs available.

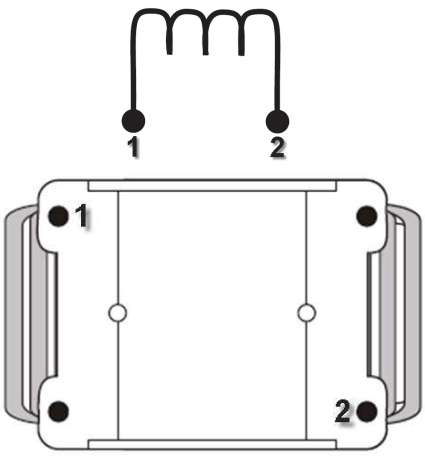
DIMENSIONS (mm)

A	B	D	H	W
10.16 ±0.5	20.32 ±0.5	30.50 MAX.	30.50 MAX.	17.78 ±0.5

MECHANICAL







MATERIAL: 94 VO CLASS B

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ELECTRICAL SPECIFICATIONS

MoxiE Part Number	L @ 0 Amps D.C. (µH) ±20%	Max RDC. (Ω)	Suggested Rated Current (Amps)	0% L Drop (DC Amps)	10% L Drop (DC Amps)	20% L Drop (DC Amps)	30% L Drop (DC Amps)	40% L Drop (DC Amps)	50% L Drop (DC Amps)
MOX-VTIL-3030-1R0M	1.1	.004	5.5	4.7	13.8	19.7	26.8	35.1	46.1
MOX-VTIL-3030-1R8M	1.8	.005	5.5	3.7	10.3	15.5	21.4	28.1	36.9
MOX-VTIL-3030-2R3M	2.3	.005	5.5	3.1	8.6	12.9	17.9	23.4	30.7
MOX-VTIL-3030-3R3M	3.3	.006	5.5	2.6	7.4	11.7	15.3	20.1	26.4
MOX-VTIL-3030-4R7M	4.7	.008	5.5	2.3	6.5	9.7	13.4	17.6	23.1
MOX-VTIL-3030-5R6M	5.6	.008	5.5	2.1	5.7	8.6	11.9	15.6	20.5
MOX-VTIL-3030-6R8M	6.8	.010	5.5	1.9	5.2	7.5	10.7	14.1	18.5
MOX-VTIL-3030-8R2M	8.2	.010	5.5	1.7	4.7	7.1	9.9	12.8	16.8
MOX-VTIL-3030-100M	10	.011	5.5	1.6	4.3	6.5	8.9	11.7	15.7
MOX-VTIL-3030-120M	12	.012	5	1.3	3.7	5.7	7.9	10.1	13.2
MOX-VTIL-3030-150M	15	.013	5	1.2	3.2	4.8	6.7	8.8	11.5
MOX-VTIL-3030-180M	18	.014	5	.96	2.7	4.1	5.6	7.4	9.7
MOX-VTIL-3030-220M	22	.015	5	.92	2.6	3.9	5.4	7.1	9.3
MOX-VTIL-3030-270M	27	.016	5	.85	2.7	3.8	5.1	6.7	8.6
MOX-VTIL-3030-330M	33	.018	5	.76	2.3	3.3	4.7	5.8	7.6
MOX-VTIL-3030-390M	39	.020	5	.68	1.9	2.9	4.0	5.2	6.8
MOX-VTIL-3030-470M	47	.022	5	.63	1.7	2.6	3.6	4.8	6.2
MOX-VTIL-3030-560M	56	.024	5	.58	1.6	2.5	3.5	4.4	5.8
MOX-VTIL-3030-680M	68	.026	5	.52	1.5	2.2	3.5	4.0	5.3
MOX-VTIL-3030-820M	82	.028	5	.47	1.4	2.0	2.8	3.6	4.7
MOX-VTIL-3030-101M	100	.032	5	.43	1.2	1.9	2.6	3.5	4.5
MOX-VTIL-3030-121M	120	.034	5	.40	1.1	1.7	2.3	3.1	4.0
MOX-VTIL-3030-151M	150	.038	5	.36	1.0	1.5	2.1	2.8	3.6
MOX-VTIL-3030-181M	180	.046	5	.30	.94	1.4	1.9	2.5	3.5
MOX-VTIL-3030-221M	220	.056	4.5	.30	.84	1.2	1.7	2.3	3.2
MOX-VTIL-3030-271M	270	.062	4.5	.27	.79	1.4	1.6	2.1	2.7
MOX-VTIL-3030-331M	330	.090	3.5	.23	.67	1.6	1.3	1.8	2.3
MOX-VTIL-3030-391M	390	.100	3.5	.21	.60	.90	1.3	1.6	2.2
MOX-VTIL-3030-471M	470	.120	3.5	.20	.57	.85	1.2	1.6	2.1
MOX-VTIL-3030-561M	560	.180	2.0	.19	.53	.74	1.0	1.4	1.9
MOX-VTIL-3030-681M	680	.200	2.0	.16	.46	.68	.95	1.3	1.7
MOX-VTIL-3030-821M	820	.260	1.5	.15	.42	.64	.89	1.2	1.6
MOX-VTIL-3030-102M	1000	.290	1.5	.14	.38	.57	.79	1.1	1.4
MOX-VTIL-3030-121M	1200	.410	1.2	.12	.33	.50	.68	.90	1.3
MOX-VTIL-3030-151M	1500	.480	1.2	.11	.30	.44	.61	.81	1.1

MOXIE ENGINEERING NOTES:

- Leads for PC mounting are tinned to within 16mm (1/16”) of body
- RDC is measured at 20ºC.
- Saturation currents shown are for maximum drop of L indicated.
- RoHS compliant.
- MoxiE Inductor Corporation specifications are subject to change without notice.
- MoxiE Inductor Corporation custom designed products are subject to United States copyright and or United States patent protection(s).