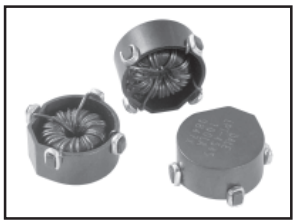
Inductors/Transformers

Customizable, Surface Mount Torodial,
Kool-Mu®, Powdered Iron and MPP Cores



FEATURES

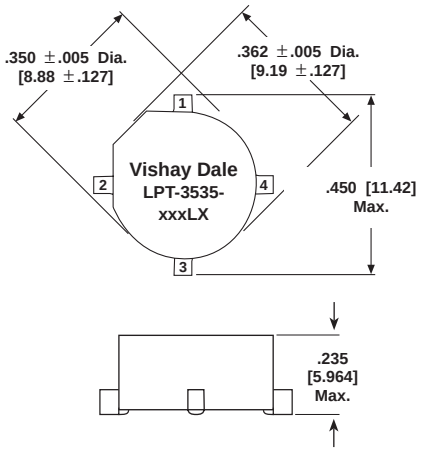
- Toroidal design for minimal EMI radiation in DC to DC converter applications.
- Designed to support the growing need for efficient DC to DC converters in battery operated equipment.
- Two separate windings provide versatility by ability to connect windings in series or parallel.
- Supplied on tape and reel and is designed to be pick and place compatible.
- Custom versions and turns ratios available. Contact the factory with your specifications.
- Half and quarter height parts available upon request.

STANDARD ELECTRICAL SPECIFICATIONS (In Parallel)

MODEL LA=KOOL-MU® CORE	ACTUAL INDUCTANCE – µH (L_{OC}) ± 15%	RATED IDC (40°C↑)	INDUCTANCE @ IDC (L_{BIAS}) [30%]	DCR Ω
LPT-3535-1R0LA	0.800	6.42	0.48 @ 7.05	0.005
LPT-3535-1R5LA	1.80	4.77	1.07 @ 4.70	0.009
LPT-3535-2R5LA	2.45	4.45	1.46 @ 4.03	0.011
LPT-3535-3R3LA	3.20	3.73	1.90 @ 3.52	0.015
LPT-3535-5R0LA	5.00	3.01	2.98 @ 2.82	0.023
LPT-3535-100LA	11.3	1.95	6.69 @ 1.88	0.055
LPT-3535-150LA	16.2	1.59	9.64 @ 1.57	0.081
LPT-3535-250LA	26.5	1.25	15.7 @ 1.23	0.131
LPT-3535-330LA	33.8	1.05	20.1 @ 1.08	0.182
LPT-3535-500LA	51.2	0.84	30.5 @ 0.88	0.280
LPT-3535-101LA	101	0.63	60.2 @ 0.63	0.514
LPT-3535-151LA	151	0.57	90.0 @ 0.51	0.775
LPT-3535-251LA	252	0.40	150.0 @ 0.40	1.279
LPT-3535-331LA	328	0.33	195.0 @ 0.35	1.837
LB=POWDER IRON				
LPT-3535-1R0LB	0.882	5.10	0.56 @ 4.29	0.004
LPT-3535-1R5LB	1.57	4.48	0.99 @ 3.21	0.005
LPT-3535-2R5LB	2.45	3.58	1.54 @ 2.57	0.009
LPT-3535-3R3LB	3.53	2.96	2.22 @ 2.14	0.013
LPT-3535-5R0LB	4.80	2.41	3.03 @ 1.84	0.018
LPT-3535-100LB	10.8	1.58	6.81 @ 1.22	0.043
LPT-3535-150LB	15.3	1.29	9.65 @ 1.03	0.064
LPT-3535-250LB	25.1	1.03	15.8 @ 0.80	0.103
LPT-3535-330LB	33.5	0.85	21.1 @ 0.70	0.147
LPT-3535-500LB	51.8	0.68	32.7 @ 0.56	0.230
LPT-3535-101LB	104	0.51	65.2 @ 0.40	0.424
LPT-3535-151LB	153	0.41	96.3 @ 0.33	0.645
LPT-3535-251LB	250	0.33	157.0 @ 0.25	1.031
LPT-3535-331LB	330	0.27	208.0 @ 0.22	1.463
LC=MPP				
LPT-3535-1R0LC	0.800	6.45	0.52 @ 7.05	0.005
LPT-3535-1R5LC	1.80	4.80	1.16 @ 4.70	0.009
LPT-3535-2R5LC	2.45	4.46	1.58 @ 4.03	0.011
LPT-3535-3R3LC	3.20	3.73	2.06 @ 3.52	0.015
LPT-3535-5R0LC	5.00	3.02	3.22 @ 2.82	0.023
LPT-3535-100LC	11.3	1.94	7.25 @ 1.88	0.055
LPT-3535-150LC	16.2	1.59	10.43 @ 1.57	0.081
LPT-3535-250LC	26.5	1.26	17.0 @ 1.23	0.131
LPT-3535-330LC	33.8	1.05	21.8 @ 1.08	0.182
LPT-3535-500LC	51.2	0.84	33.0 @ 0.88	0.280
LPT-3535-101LC	101	0.64	97.4 @ 0.51	0.514
LPT-3535-151LC	151	0.52	65.2 @ 0.63	0.775
LPT-3535-251LC	252	0.40	162.0 @ 0.51	1.279
LPT-3535-331LC	328	0.33	211.0 @ 0.35	1.837

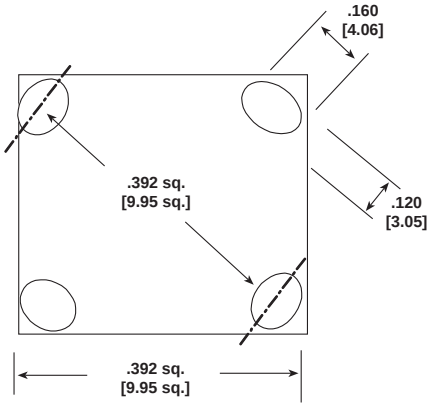
DIMENSIONAL CONFIGURATIONS

[Numbers in brackets indicate millimeters]

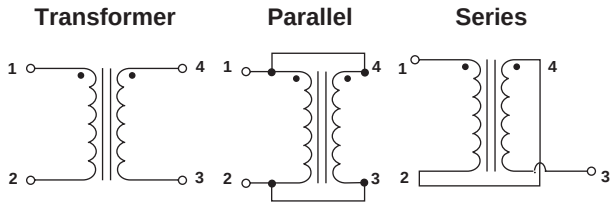


RECOMMENDED LAYOUT PATTERN (Top View)

[Numbers in brackets indicate millimeters]



SCHEMATICS - CONNECTION DIAGRAMS



PART MARKING

— Vishay Dale

— Model number

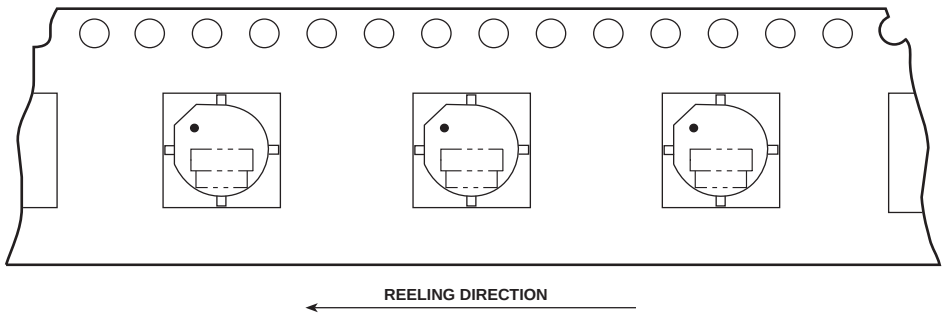
— Pin 1 identification

HOW TO ORDER

LPT	3535	100	±15%	LA/LB/LC
MODEL	SIZE	INDUCTANCE VALUE (µH)	INDUCTANCE TOLERANCE	CORE/HEIGHT LA = KOOL-MU® LB = POWDER IRON LC = MPP

PACKAGING [Numbers in brackets indicate millimeters]

Pocket Tape Orientation



Carrier Tape Width	.945 [24.0]
Pitch	.630 [16.0]
Parts per 13" [330.2] Reel	600

All embossed carrier tape packaging will be in compliance with the latest revision of EIA-481.