Inductors/Transformers Customizable, Surface Mount Torodial, Kool-Mu®, Powered Iron and MPP Cores



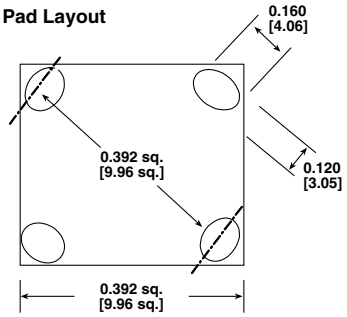
FEATURES

- 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
- Operating Temperature Range: - 40 °C to + 125 °C
- 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

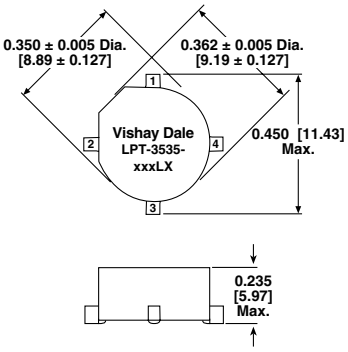
Pb-free
RoHS COMPLIANT

DIMENSIONS in inches [millimeters]

Pad Layout



Dimensional Outline



STANDARD ELECTRICAL SPECIFICATIONS

MODEL LA = KOOL-MU® CORE	STANDARD IND. VALUES	ACTUAL IND. - µH (LOC) ± 15 %	RATED IDC (40 °C)	IND. AT IDC (L_{BIAS}) [30 %]	DCR Ω
LPT-3535-1R0LA	1.0	0.800	6.42	0.48 at 7.05	0.005
LPT-3535-1R5LA	1.5	1.80	4.77	1.07 at 4.70	0.009
LPT-3535-2R5LA	2.5	2.45	4.45	1.46 at 4.03	0.011
LPT-3535-3R3LA	3.3	3.20	3.73	1.90 at 3.52	0.015
LPT-3535-5R0LA	5.0	5.00	3.01	2.98 at 2.82	0.023
LPT-3535-100LA	10	11.3	1.95	6.69 at 1.88	0.055
LPT-3535-150LA	15	16.2	1.59	9.64 at 1.57	0.081
LPT-3535-250LA	25	26.5	1.25	15.7 at 1.23	0.131
LPT-3535-330LA	33	33.8	1.05	20.1 at 1.08	0.182
LPT-3535-500LA	50	51.2	0.84	30.5 at 0.88	0.280
LPT-3535-101LA	100	101	0.63	60.2 at 0.63	0.514
LPT-3535-151LA	150	151	0.57	90.0 at 0.51	0.775
LPT-3535-251LA	250	252	0.40	150.0 at 0.40	1.279
LPT-3535-331LA	330	328	0.33	195.0 at 0.35	1.837
LB = POWDER IRON					
LPT-3535-1R0LB	1.0	0.882	5.10	0.56 at 4.29	0.004
LPT-3535-1R5LB	1.5	1.57	4.48	0.99 at 3.21	0.005
LPT-3535-2R5LB	2.5	2.45	3.58	1.54 at 2.57	0.009
LPT-3535-3R3LB	3.3	3.53	2.96	2.22 at 2.14	0.013
LPT-3535-5R0LB	5.0	4.80	2.41	3.03 at 1.84	0.018
LPT-3535-100LB	10	10.8	1.58	6.81 at 1.22	0.043
LPT-3535-150LB	15	15.3	1.29	9.65 at 1.03	0.064
LPT-3535-250LB	25	25.1	1.03	15.8 at 0.80	0.103
LPT-3535-330LB	33	33.5	0.85	21.1 at 0.70	0.147
LPT-3535-500LB	50	51.8	0.68	32.7 at 0.56	0.230
LPT-3535-101LB	100	104	0.51	65.2 at 0.40	0.424
LPT-3535-151LB	150	153	0.41	96.3 at 0.33	0.645
LPT-3535-251LB	250	250	0.33	157.0 at 0.25	1.031
LPT-3535-331LB	330	330	0.27	208.0 at 0.22	1.463
LC = MPP					
LPT-3535-1R0LC	1.0	0.800	6.45	0.52 at 7.05	0.005
LPT-3535-1R5LC	1.5	1.80	4.80	1.16 at 4.70	0.009
LPT-3535-2R5LC	2.5	2.45	4.46	1.58 at 4.03	0.011
LPT-3535-3R3LC	3.3	3.20	3.73	2.06 at 3.52	0.015
LPT-3535-5R0LC	5.0	5.00	3.02	3.22 at 2.82	0.023
LPT-3535-100LC	10	11.3	1.94	7.25 at 1.88	0.055
LPT-3535-150LC	15	16.2	1.59	10.43 at 1.57	0.081
LPT-3535-250LC	25	26.5	1.26	17.0 at 1.23	0.131
LPT-3535-330LC	33	33.8	1.05	21.8 at 1.08	0.182
LPT-3535-500LC	50	51.2	0.84	33.0 at 0.88	0.280
LPT-3535-101LC	100	101	0.64	97.4 at 0.51	0.514
LPT-3535-151LC	150	151	0.52	65.2 at 0.63	0.775
LPT-3535-251LC	250	252	0.40	162.0 at 0.51	1.279
LPT-3535-331LC	330	328	0.33	211.0 at 0.35	1.837

DESCRIPTION

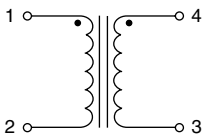
LPT	3535	100 µH	± 15 %	LA/LB/LC	ER	e2
MODEL	SIZE	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	CORE/HEIGHT LA = KOOL-MU® LB = POWER IRON LC = MPP	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER

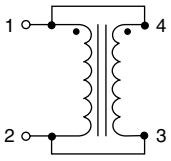
L	P	T	3	5	3	5	E	R	1	0	1	L	K
PRODUCT FAMILY			SIZE				PACKAGE CODE		INDUCTANCE VALUE			TOL.	CORE

SCHEMATICS - CONNECTION DIAGRAMS

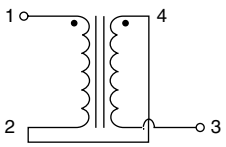
Transformer



Parallel



Series

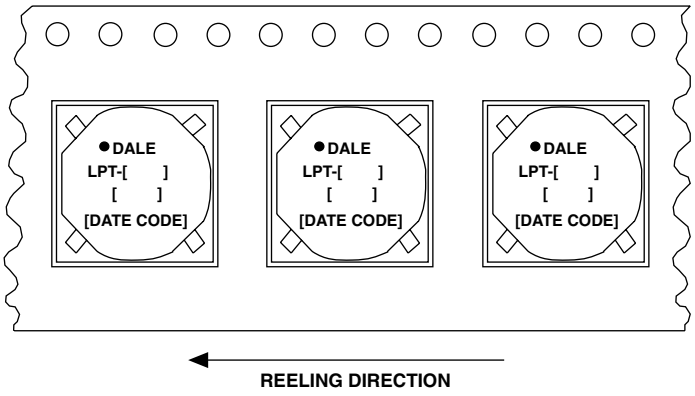


PART MARKING

- Vishay Dale
- Model number
- Pin 1 identification

PACKAGING in inches [millimeters]

Pocket Tape Orientation



Carrier Tape Width	0.945 [24.0]
Pitch	0.630 [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.

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