Inductors/Transformers Customizable, Surface Mount Torodial, Kool Mu®*, Powdered Iron and MPP Cores

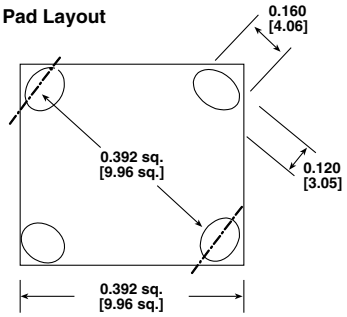
FEATURES

- 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
- 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

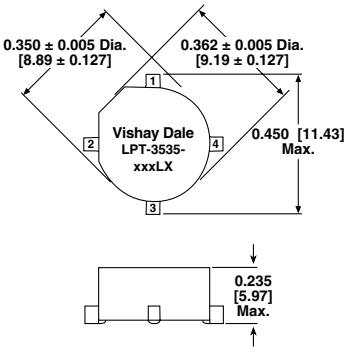
Pb-free
RoHS COMPLIANT

DIMENSIONS in inches [millimeters]

Pad Layout



Dimensional Outline



STANDARD ELECTRICAL SPECIFICATIONS (In Parallel)

MODEL KOOL MU® CORE (A)	STANDARD IND. VALUES	ACTUAL IND. - µH (LOC) ± 15 %	RATED IDC (40 °C)	IND. AT IDC (L_{BIAS}) [30 %]	DCR Ω
LPT3535ER1R0LK	1.0	0.800	6.42	0.48 at 7.05	0.005
LPT3535ER1R5LK	1.5	1.80	4.77	1.07 at 4.70	0.009
LPT3535ER2R5LK	2.5	2.45	4.45	1.46 at 4.03	0.011
LPT3535ER3R3LK	3.3	3.20	3.73	1.90 at 3.52	0.015
LPT3535ER5R0LK	5.0	5.00	3.01	2.98 at 2.82	0.023
LPT3535ER100LK	10	11.3	1.95	6.69 at 1.88	0.055
LPT3535ER150LK	15	16.2	1.59	9.64 at 1.57	0.081
LPT3535ER250LK	25	26.5	1.25	15.7 at 1.23	0.131
LPT3535ER330LK	33	33.8	1.05	20.1 at 1.08	0.182
LPT3535ER500LK	50	51.2	0.84	30.5 at 0.88	0.280
LPT3535ER101LK	100	101	0.63	60.2 at 0.63	0.514
LPT3535ER151LK	150	151	0.57	90.0 at 0.51	0.775
LPT3535ER251LK	250	252	0.40	150.0 at 0.40	1.279
LPT3535ER331LK	330	328	0.33	195.0 at 0.35	1.837
POWDER IRON (B)					
LPT3535ER1R0LP	1.0	0.882	5.10	0.56 at 4.29	0.004
LPT3535ER1R5LP	1.5	1.57	4.48	0.99 at 3.21	0.005
LPT3535ER2R5LP	2.5	2.45	3.58	1.54 at 2.57	0.009
LPT3535ER3R3LP	3.3	3.53	2.96	2.22 at 2.14	0.013
LPT3535ER5R0LP	5.0	4.80	2.41	3.03 at 1.84	0.018
LPT3535ER100LP	10	10.8	1.58	6.81 at 1.22	0.043
LPT3535ER150LP	15	15.3	1.29	9.65 at 1.03	0.064
LPT3535ER250LP	25	25.1	1.03	15.8 at 0.80	0.103
LPT3535ER330LP	33	33.5	0.85	21.1 at 0.70	0.147
LPT3535ER500LP	50	51.8	0.68	32.7 at 0.56	0.230
LPT3535ER101LP	100	104	0.51	65.2 at 0.40	0.424
LPT3535ER151LP	150	153	0.41	96.3 at 0.33	0.645
LPT3535ER251LP	250	250	0.33	157.0 at 0.25	1.031
LPT3535ER331LP	330	330	0.27	208.0 at 0.22	1.463
MPP (C)					
LPT3535ER1R0LM	1.0	0.800	6.45	0.52 at 7.05	0.005
LPT3535ER1R5LM	1.5	1.80	4.80	1.16 at 4.70	0.009
LPT3535ER2R5LM	2.5	2.45	4.46	1.58 at 4.03	0.011
LPT3535ER3R3LM	3.3	3.20	3.73	2.06 at 3.52	0.015
LPT3535ER5R0LM	5.0	5.00	3.02	3.22 at 2.82	0.023
LPT3535ER100LM	10	11.3	1.94	7.25 at 1.88	0.055
LPT3535ER150LM	15	16.2	1.59	10.43 at 1.57	0.081
LPT3535ER250LM	25	26.5	1.26	17.0 at 1.23	0.131
LPT3535ER330LM	33	33.8	1.05	21.8 at 1.08	0.182
LPT3535ER500LM	50	51.2	0.84	33.0 at 0.88	0.280
LPT3535ER101LM	100	101	0.64	97.4 at 0.51	0.514
LPT3535ER151LM	150	151	0.52	65.2 at 0.63	0.775
LPT3535ER251LM	250	252	0.40	162.0 at 0.51	1.279
LPT3535ER331LM	330	328	0.33	211.0 at 0.35	1.837

DESCRIPTION

LPT	3535	100 µH	± 15 %	A	ER	e2
MODEL	SIZE	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	CORE/HEIGHT K = KOOL MU® (A) P = POWER IRON (B) M = MPP (C)	PACKAGE CODE ER = Reel EB = Bulk	JEDEC LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER

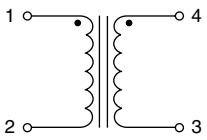
L	P	T	3	5	3	5	E	R	1	0	1	L	K
PRODUCT FAMILY			SIZE				PACKAGE CODE		INDUCTANCE VALUE			TOL.	CORE

NOTE Series is also available with SnPb terminations by using package code RH for tape and reel (in place of ER) or SM for bulk (in place of EB).

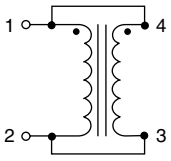
* Kool Mu® is a registered trademark of Spang & Company

SCHEMATICS - CONNECTION DIAGRAMS

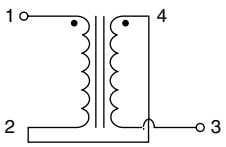
Transformer



Parallel



Series

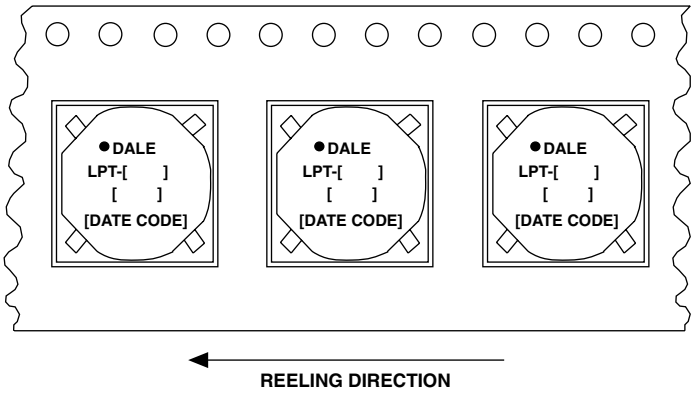


PART MARKING

- 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.

Disclaimer

All product specifications and data are subject to change without notice.

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