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

Note
- Kool Mu® is a registered trademark of Spang & Company

FEATURES
- Toroidal design for minimal EMI radiation in DC/DC converter applications
- Designed to support the growing need for efficient DC/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
- Compliant to RoHS Directive 2002/95/EC
- Halogen-free according to IEC 61249-2-21 definition

Pb-free
RoHS COMPLIANT
HALOGEN FREE

STANDARD ELECTRICAL SPECIFICATIONS (in parallel)

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

DESCRIPTION

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

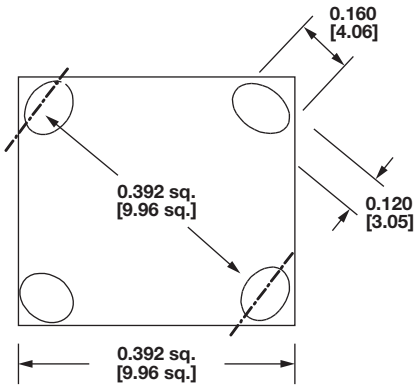
GLOBAL PART NUMBER

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

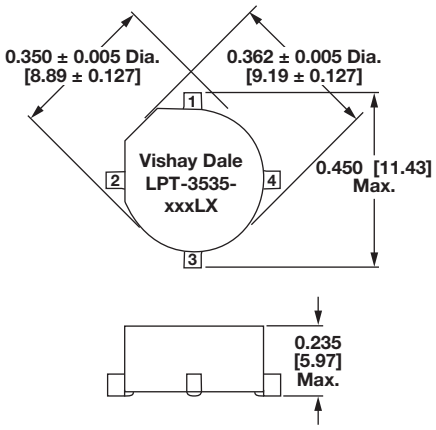
Note
- Series is also available with SnPb terminations by using package code RH for tape and reel (in place of ER) or SM for bulk (in place of EB).

DIMENSIONS in inches [millimeters]

Pad Layout

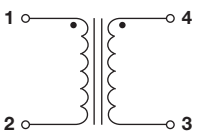


Dimensional Outline

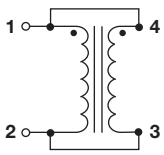


SCHEMATICS (connection diagrams)

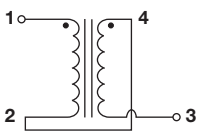
Transformer



Parallel



Series



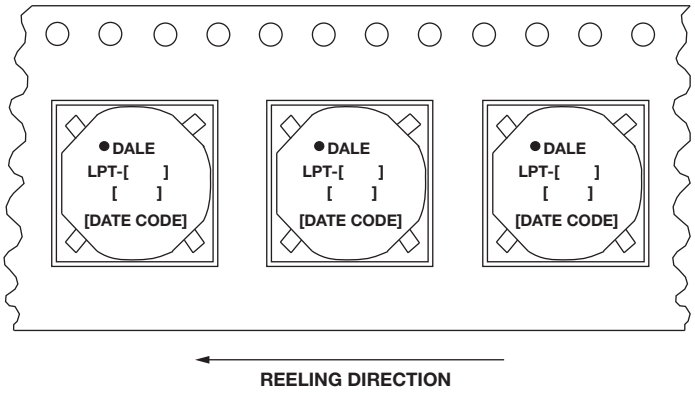
PART MARKING

- Vishay Dale
- Model number
- Pin 1 identification

PACKAGING in inches [millimeters]

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

CARRIER TAPE WIDTH	PITCH	PARTS PER 13" [330.2] REEL
0.945 [24.0]	0.630 [16.0]	600



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