

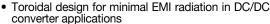


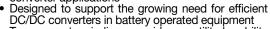
Inductors/Transformers Customizable, Surface Mount Torodial, Kool-Mu®, Powdered Iron and MPP Cores



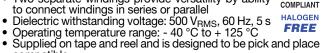
Kool Mu[®] is a registered trademark of Spang & Company

FEATURES





Two separate windings provide versatility by ability



 Custom versions and turns ratios available. Contact the factory with your specifications

Material categorization: For definitions of compliance please see <u>www.vishay.com/doc?99912</u>

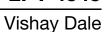
COMPLIANT

MODEL LPT4545ER1R0LK LPT4545ER1R5LK LPT4545ER2R5LK LPT4545ER3R3LK LPT4545ER5R0LK LPT4545ER5R0LK LPT4545ER5R0LK	STD. IND. (μΗ) 1.0 1.5 2.5 3.3 5.0 10	IND. TOL. ± 15 % ± 15 % ± 15 % + 15 %	ACTUAL IND. (LOC) (μΗ) 0.832 1.30	DCR (Ω) 0.003	RATED I _{DC} (40 °C)	IND. AT I _{DC} (L _{BIAS}) (30 %)
LPT4545ER1R5LK LPT4545ER2R5LK LPT4545ER3R3LK LPT4545ER5R0LK LPT4545ER100LK		± 15 % ± 15 % ± 15 % + 15 %	0.832 1.30			
LP14545ER130LK LP74545ER200LK LP74545ER250LK LP74545ER330LK LP74545ER500LK LP74545ER101LK LP74545ER151LK LP74545ER251LK LP74545ER331LK LP74545ER331LK	10 15 20 25 33 50 100 150 250 300 330	± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ±	1.30 2.55 3.33 5.20 10.2 15.0 20.8 25.2 32.5 50.0 101 152 248 300 333	0.004 0.006 0.007 0.011 0.019 0.029 0.038 0.048 0.107 0.195 0.302 0.491 0.670 0.706	69475 69475 69475 69479	0.51 at 7.62 0.80 at 6.10 1.57 at 4.35 2.05 at 3.81 3.20 at 3.05 6.28 at 2.18 9.26 at 1.79 12.4 at 1.59 20.0 at 1.22 30.8 at 0.98 62.0 at 0.69 93.4 at 0.56 153.0 at 0.44 179.0 at 0.40 205.0 at 0.38
LPT4545ER1R0LP LPT4545ER1R5LP LPT4545ER2R5LP LPT4545ER3R3LP LPT4545ER100LP LPT4545ER100LP LPT4545ER100LP LPT4545ER300LP LPT4545ER300LP LPT4545ER3100LP LPT4545ER8101LP LPT4545ER1101LP LPT4545ER1101LP LPT4545ER251LP LPT4545ER331LP	1.0 1.5 2.5 3.3 5.0 10 15 25 33 500 150 250 330	± 15 % ± 15 % ± 15 % ± 15 % ± 15 % ± 15 % ± 15 % ± 15 % ± 15 % ± 15 % ± 15 % ± 15 %	0.838 1.21 2.71 3.35 5.66 10.9 14.8 26.3 34.3 51.0 105 150 248 335	0.004 0.005 0.009 0.012 0.019 0.034 0.049 0.180 0.180 0.342 0.509 0.831 1.194	6.61 6.08 5.01 4.22 3.32 2.52 2.10 1.61 1.34 1.09 0.66 0.54	0.53 at 7.09 0.76 at 5.91 1.71 at 3.94 2.11 at 3.54 3.57 at 2.73 6.84 at 1.97 9.31 at 1.69 16.5 at 1.27 21.6 at 1.11 32.1 at 0.91 66.2 at 0.63 94.7 at 0.53 156.0 at 0.41 211.0 at 0.35
LPT4545ER1R0LM LPT4545ER1R5LM LPT4545ER2R5LM LPT4545ER3R3LM LPT4545ER5R0LM LPT4545ER100LM LPT4545ER100LM LPT4545ER30LM LPT4545ER300LM LPT4545ER300LM LPT4545ER310LM LPT4545ER310LM LPT4545ER310LM LPT4545ER310LM LPT4545ER31	1.0 1.5 2.5 3.3 5.0 10 25 33 50 100 150 250 330	± 15 % ± 15 % ± 15 % ± 15 5 % ± 15 5 % ± 15 5 % ± 15 6 %	0.838 1.30 2.55 3.33 5.20 10.2 15.0 25.2 32.5 50.0 101 152 248 333	0.004 0.004 0.007 0.008 0.012 0.022 0.033 0.054 0.076 0.119 0.219 0.340 0.551 0.578	5.54 6.82 5.84 5.49 4.37 3.32 2.69 2.12 1.76 1.41 1.07 0.86 0.67 0.56	0.54 at 11.11 0.84 at 8.89 1.64 at 6.35 2.14 at 5.56 3.35 at 4.45 6.56 at 3.18 9.68 at 2.61 16.2 at 2.02 20.9 at 1.78 32.2 at 1.43 64.8 at 1.01 97.7 at 0.82 159.0 at 0.64 214.0 at 0.56

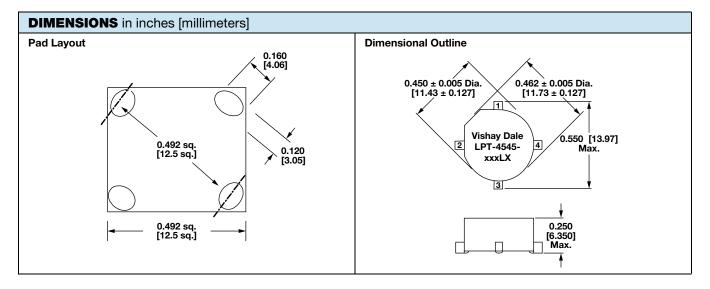
LPT	4545	100 μH	± 15 %	Α		ER	e2				
MODEL	SIZE	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	CORE/HEIGHT K = KOOL MU [®] (A) P = POWDERED IRON (B) M = MPP (C)		PACKAGE CODE ER = Reel EB = Bulk	JEDEC LEAD (Pb)-FREE STANDARD				
GLOBAL PART NUMBER											
L	Р	T (4 5 4	5	E R	1 0 1	L K				
PF	RODUCT	FAMILY	SIZE		PACKAGE CODE	INDUCTANCE VALUE	TOL. CORE				

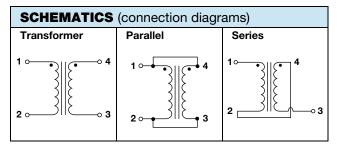
Note

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).

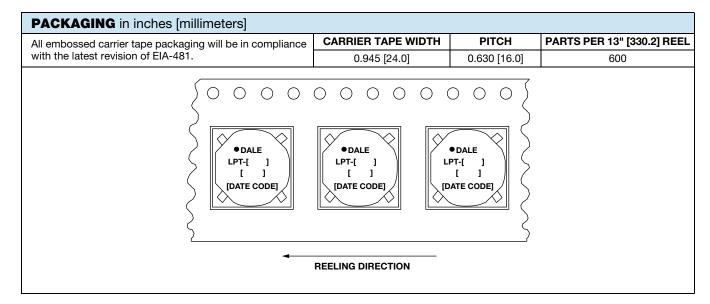








PART MARKING - Vishay Dale - Model number - Pin 1 identification





Legal Disclaimer Notice

Vishay

Disclaimer

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Material Category Policy

Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as RoHS-Compliant fulfill the definitions and restrictions defined under Directive 2011/65/EU of The European Parliament and of the Council of June 8, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (EEE) - recast, unless otherwise specified as non-compliant.

Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.

Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as Halogen-Free follow Halogen-Free requirements as per JEDEC JS709A standards. Please note that some Vishay documentation may still make reference to the IEC 61249-2-21 definition. We confirm that all the products identified as being compliant to IEC 61249-2-21 conform to JEDEC JS709A standards.

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