Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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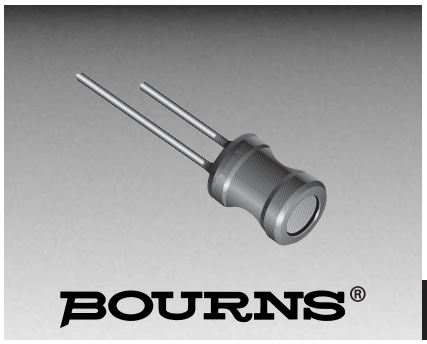


BOURNS®

Features

- High current up to 10 A
- RoHS compliant*

This series is currently available but not recommended for new designs.

Applications

- DC/DC converters
- Power supplies

LPV Series Radial Power Inductors

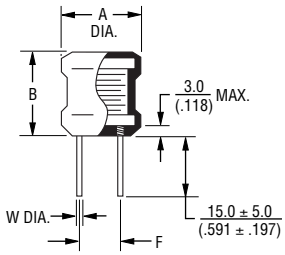
General Specifications

Temperature Rise
.....45 °C max. at rated current
Operating Temperature..-40 °C to +85 °C
Storage Temperature ..-40 °C to +105 °C

Materials

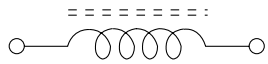
Core Material .....Ferrite DR core
Wire .....Enameled copper wire
Terminal .....Cu/Sn
Tube.....Shrinkable tube 125 °C, 600 V

Product Dimensions



DIMENSIONS ARE: MM / (INCHES)

Electrical Schematic



Electrical Characteristics and Product Dimensions

BOURNS Part No.	Inductance (µH) 1KHz	RDC (Ω) max.	IDC (A) max.	Dimensions			
				A max.	B max.	F	W dia.
LPV1620-100ML	10 ± 20 %	0.024	5.0	16.0 (.630)	20.0 (.787)	8.0 ± 1.5 (.315 ± .059)	1.0 ± 0.1 (.039 ± .004)
LPV1620-250KL	25 ± 10 %	0.040	4.0	16.0 (.630)	20.0 (.787)	8.0 ± 1.5 (.315 ± .059)	1.0 ± 0.1 (.039 ± .004)
LPV1620-500KL	50 ± 10 %	0.060	3.0	16.0 (.630)	20.0 (.787)	8.0 ± 1.5 (.315 ± .059)	1.0 ± 0.1 (.039 ± .004)
LPV1620-101KL	100 ± 10 %	0.090	2.0	16.0 (.630)	20.0 (.787)	8.0 ± 1.5 (.315 ± .059)	1.0 ± 0.1 (.039 ± .004)
LPV1620--251KL	250 ± 10 %	0.180	1.5	16.0 (.630)	20.0 (.787)	8.0 ± 1.5 (.315 ± .059)	1.0 ± 0.1 (.039 ± .004)
LPV1620-501KL	500 ± 10 %	0.400	1.0	16.0 (.630)	20.0 (.787)	8.0 ± 1.5 (.315 ± .059)	1.0 ± 0.1 (.039 ± .004)
LPV1620-102KL	1000 ± 10 %	0.800	0.7	16.0 (.630)	20.0 (.787)	8.0 ± 1.5 (.315 ± .059)	1.0 ± 0.1 (.039 ± .004)
LPV1823-100ML	10 ± 20 %	0.009	8.0	18.0 (.709)	23.0 (.906)	14.0 ± 1.5 (.551 ± .059)	1.2 ± 0.1 (.047 ± .004)
LPV1823-250KL	25 ± 10 %	0.022	6.0	18.0 (.709)	23.0 (.906)	14.0 ± 1.5 (.551 ± .059)	1.0 ± 0.1 (.039 ± .004)
LPV1823-500KL	50 ± 10 %	0.036	4.0	18.0 (.709)	23.0 (.906)	14.0 ± 1.5 (.551 ± .059)	1.0 ± 0.1 (.039 ± .004)
LPV1823-101KL	100 ± 10 %	0.090	3.0	18.0 (.709)	23.0 (.906)	9.0 ± 1.5 (.354 ± .059)	1.0 ± 0.1 (.039 ± .004)
LPV1823-251KL	250 ± 10 %	0.150	2.0	18.0 (.709)	23.0 (.906)	9.0 ± 1.5 (.354 ± .059)	1.0 ± 0.1 (.039 ± .004)
LPV1823-501KL	500 ± 10 %	0.300	1.2	18.0 (.709)	23.0 (.906)	9.0 ± 1.5 (.354 ± .059)	1.0 ± 0.1 (.039 ± .004)
LPV1823-102KL	1000 ± 10 %	0.600	1.0	18.0 (.709)	23.0 (.906)	9.0 ± 1.5 (.354 ± .059)	1.0 ± 0.1 (.039 ± .004)
LPV2023-100ML	10 ± 20 %	0.008	10.0	20.0 (.787)	23.0 (.906)	15.5 ± 1.5 (.610 ± .059)	1.3 ± 0.1 (.051 ± .004)
LPV2023-500KL	50 ± 10 %	0.032	5.0	20.0 (.787)	23.0 (.906)	15.5 ± 1.5 (.610 ± .059)	1.0 ± 0.1 (.039 ± .004)
LPV2023-101KL	100 ± 10 %	0.060	4.0	20.0 (.787)	23.0 (.906)	15.5 ± 1.5 (.610 ± .059)	1.0 ± 0.1 (.039 ± .004)
LPV2023-251KL	250 ± 10 %	0.140	2.5	20.0 (.787)	23.0 (.906)	12.5 ± 1.5 (.492 ± .059)	1.0 ± 0.1 (.039 ± .004)
LPV2023-501KL	500 ± 10 %	0.280	1.5	20.0 (.787)	23.0 (.906)	12.5 ± 1.5 (.492 ± .059)	1.0 ± 0.1 (.039 ± .004)
LPV2023-102KL	1000 ± 10 %	0.550	1.2	20.0 (.787)	23.0 (.906)	12.5 ± 1.5 (.492 ± .059)	1.0 ± 0.1 (.039 ± .004)
LPV2023-202KL	2000 ± 10 %	1.200	0.8	20.0 (.787)	23.0 (.906)	12.5 ± 1.5 (.492 ± .059)	1.0 ± 0.1 (.039 ± .004)

REV. 02/16

*RoHS Directive 2002/95/EC Jan 27 2003 including Annex
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.