

Features

- 400 VDC rated
- Shrink tubing protected winding
- Fixed lead spacing
- RoHS compliant*

Applications

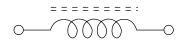
- TI UCC28880 converter (Use with Bourns® Model RLB1112V4-222J)
- DC/DC converters
- Power supplies

RLB1112V4 Series 400 Volt Radial Inductor

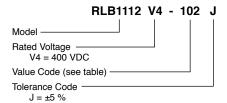
Electrical Specifications @ 25 °C

Bourns Part Number	Inductance @ 1 kHz / 1 V		Q Min.	SRF Min.	DCR	DCR	I rms Typ.	l sat
	L (mH)	Tol. (%)	@ 252 kHz	(MHz)	Typ. (Ω)	Max. (Ω)	(A)	Тур. (A)
RLB1112V4-102J	1.0	± 5	20	1.10	1.15	1.40	0.51	0.50
RLB1112V4-152J	1.5	± 5	20	0.82	1.65	2.40	0.43	0.38
RLB1112V4-222J	2.2	± 5	20	0.76	2.75	3.20	0.35	0.33
RLB1112V4-332J	3.3	± 5	30	0.64	4.15	4.90	0.28	0.26
RLB1112V4-472J	4.7	± 5	30	0.54	5.75	7.60	0.24	0.21

Electrical Schematic



How to Order



Typical Part Marking



Inductance Code:

- First two digits are significant
- Third digit represents the number of zeroes to follow

General Specifications

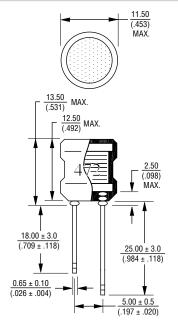
Operating Temperature

.....-40 °C to +125 °C (Temperature rise included) Storage Temperature....-40 °C to +125 °C Temperature Rise40 °C at rated I rms Rated Current

Materials

Core	Ferrite
Wire	Enameled copper
Terminal Finish	Cu/Ag/Sr
Tubing S	Shrink tube 125 °C, 600 V
	500 pcs. per 13 " ree

Product Dimensions



DIMENSIONS: $\frac{MM}{(INCHES)}$

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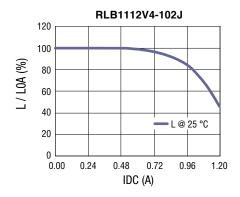
WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

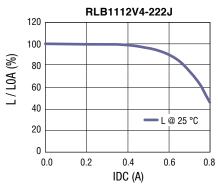
*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf

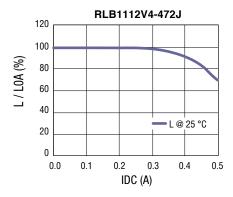
RLB1112V4 Series 400 Volt Radial Inductor

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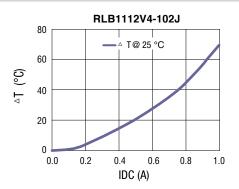
Inductance vs. IDC

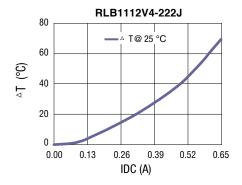


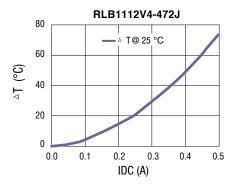




Temperature Rise vs. IDC

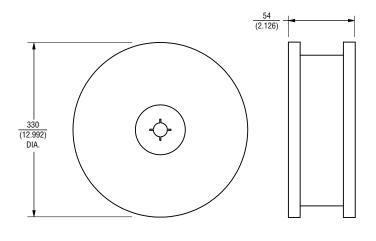


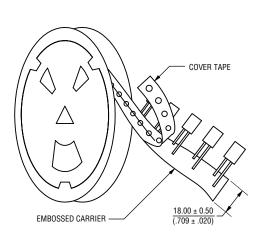


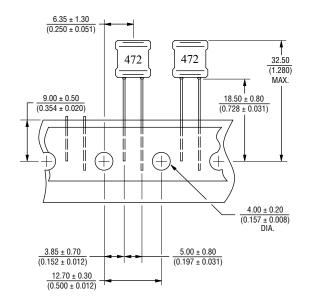


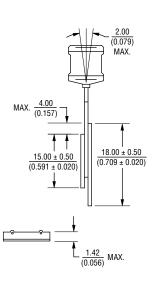
RLB1112V4 Series 400 Volt Radial Inductor

Packaging Specifications









USER DIRECTION OF FEED 500 PCS. PER REEL

DIMENSIONS: (INCHES)

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