

Features

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

Applications

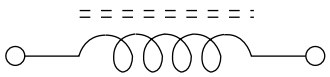
- TI UCC28880 converter (Use with Bourns® Model RLB1112V4-222J)
- DC/DC converters
- Power supplies

RLB1112V4 Series 400 Volt Radial Inductor

Electrical Specifications @ 25 °C

Bourns Part Number	Inductance @ 1 kHz / 1 V		Q Min. @ 252 kHz	SRF Min. (MHz)	DCR Typ. (Ω)	DCR Max. (Ω)	I rms Typ. (A)	I sat Typ. (A)
	L (mH)	Tol. (%)						
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

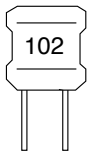


How to Order

RLB1112 V4 - 102 J

- Model
- Rated Voltage
  V4 = 400 VDC
- Value Code (see table)
- Tolerance Code
  J = ±5 %

Typical Part Marking



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

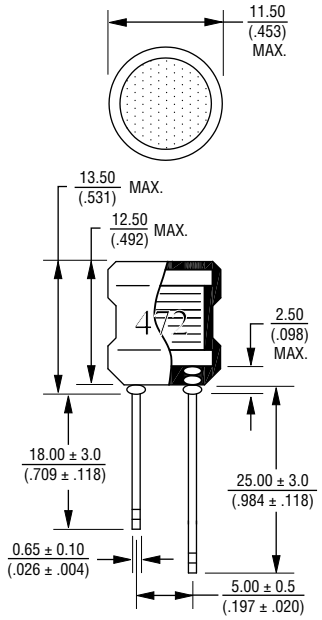
General Specifications

Operating Temperature
.....-40 °C to +125 °C
(Temperature rise included)
Storage Temperature.....-40 °C to +125 °C
Temperature Rise ....40 °C at rated I rms
Rated Current
..... Inductance drops 10 % at I sat
Rated Voltage..... 400 VDC
(Tested @1 μs on Impulse Surge
Voltage Tester Model 7720)

Materials

Core.....Ferrite
Wire .....Enameled copper
Terminal Finish .....Cu/Ag/Sn
Tubing..... Shrink tube 125 °C, 600 V
Packaging.....500 pcs. per 13 ” reel

Product Dimensions



DIMENSIONS: MM / (INCHES)

BOURNS®

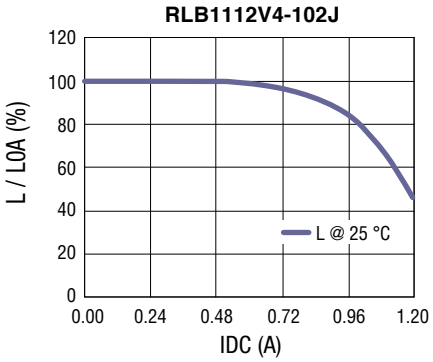
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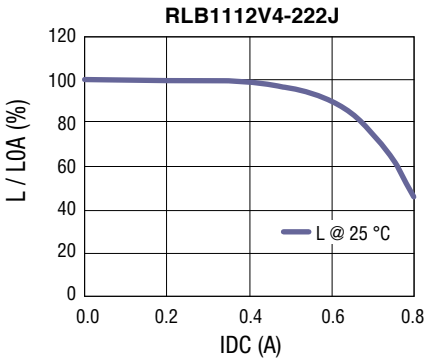
WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

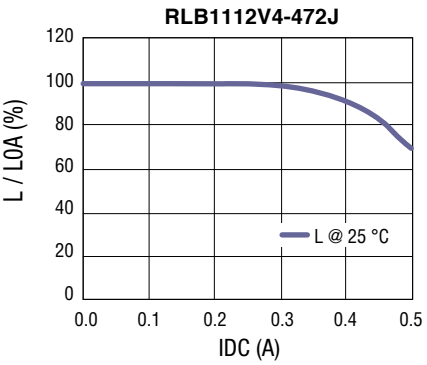
* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
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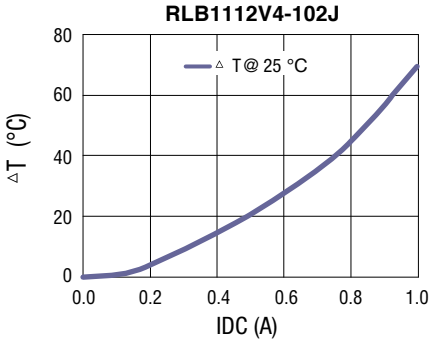
Inductance vs. IDC

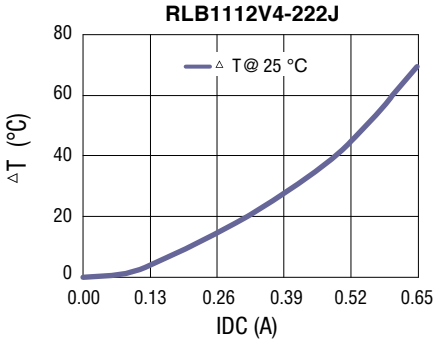


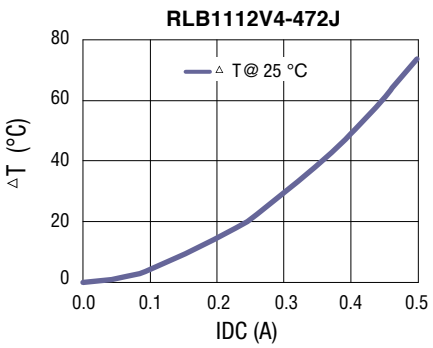




Temperature Rise vs. IDC



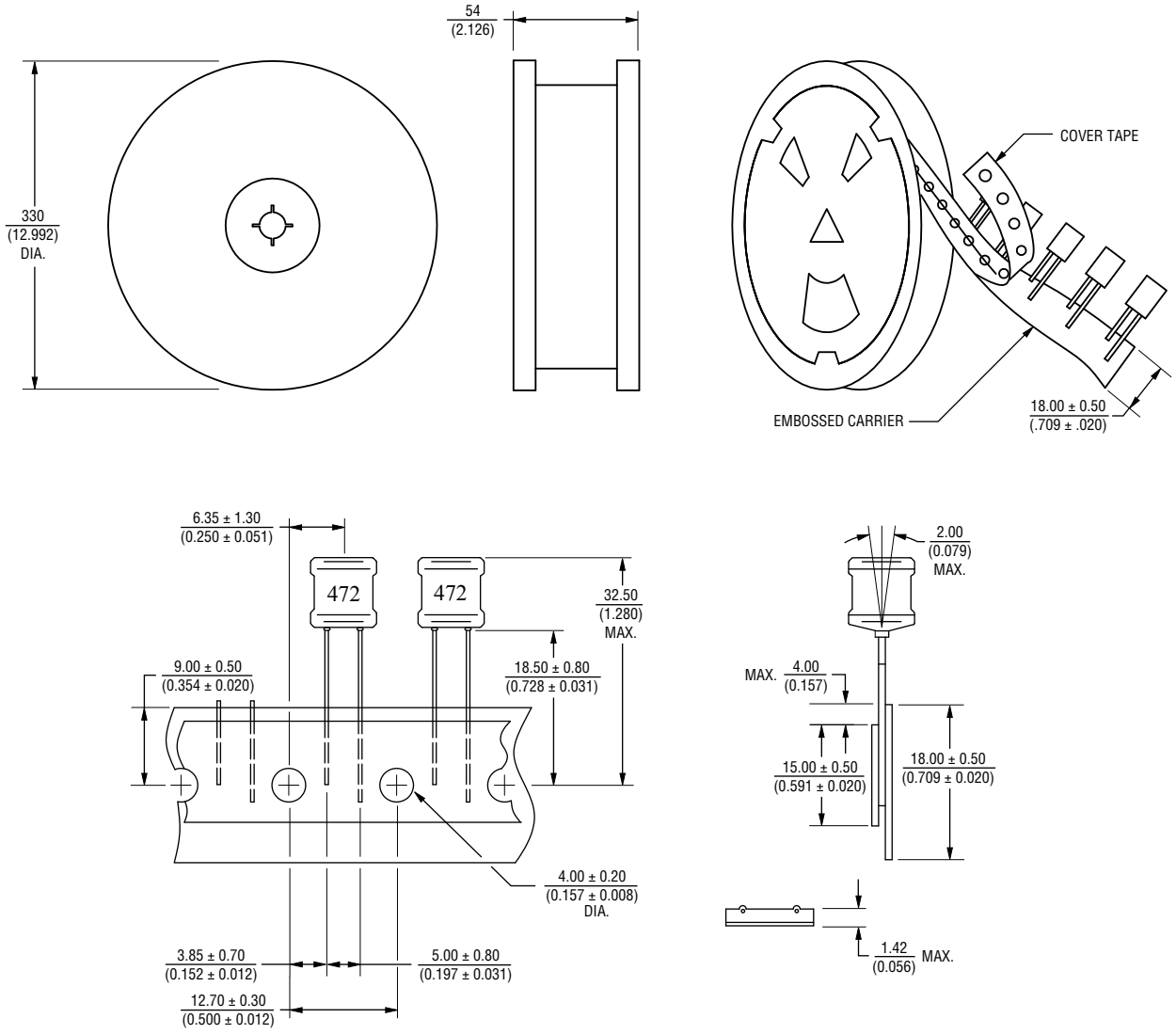




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Packaging Specifications



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