

## Features

- Shielded construction for low radiation
- High rated current
- Low DCR
- RoHS compliant\* and halogen free\*\*

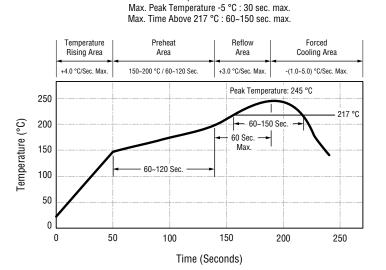
# SPB1012 Series – Power Bead Inductors

### Electrical Specifications @ 25 °C

	Inductance @ 100 kHz / 0.1 V		DCR (mΩ)	DCR (mΩ)	Irms (A)	lsat (A)
Bourns Part No.	L (nH)	Tol. %	Тур.	Max.	Max.	Тур.
SPB1012-R10Y	100.0	15	0.12	0.14	60.0	92.0
SPB1012-R12Y	120.0	15	0.12	0.14	60.0	78.0
SPB1012-R13Y	130.0	15	0.12	0.14	60.0	75.0
SPB1012-R15Y	150.0	15	0.12	0.14	60.0	70.0
SPB1012-R33Y	330.0	15	0.12	0.14	60.0	28.0

Peak Temperature: 245 °C max.

## **Soldering Profile**



How to Order

Value Code (see table)

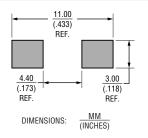
**Electrical Schematic** 

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Model

SPB1012 - R10Y

## **Recommended Layout**



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

\* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

\*\* Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less. 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 <u>www.bourns.com/docs/legal/disclaimer.pdf</u>.

## **Additional Information**

Click these links for more information:



## **General Specifications**

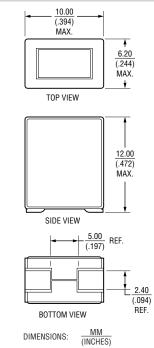
Operating Temperature

(Component Mounted)

### Materials

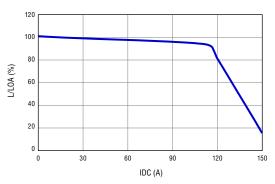
Core	Ferrite
Flat Wire	Copper
Terminal Finish	Ni/Sn
Packaging 350 pcs.	per 13-inch reel

### **Product Dimensions**

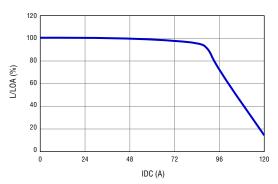


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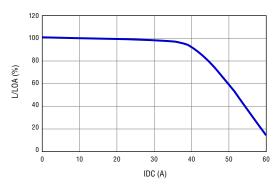
Typical Percentage of Inductance vs. Current Curves SPB1012-R10Y



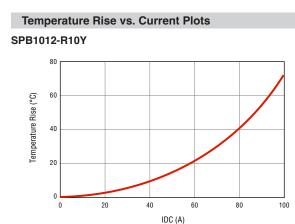
#### SPB1012-R15Y



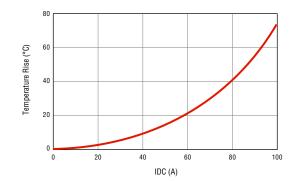
#### SPB1012-R33Y



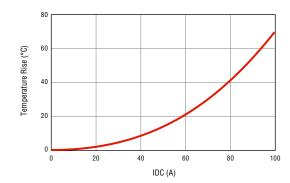
# BOURNS











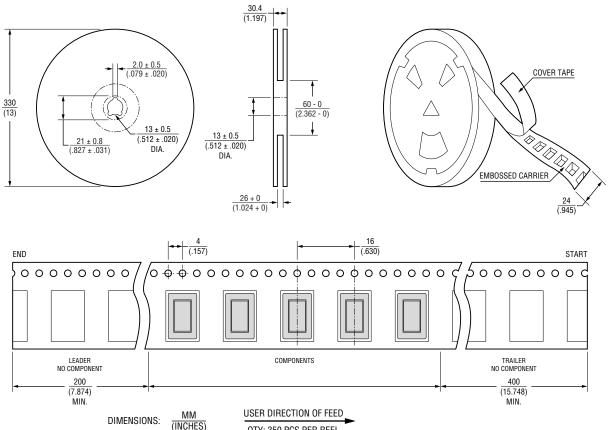
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# SPB1012 Series – Power Bead Inductors

# BOURN

### **Packaging Specifications**



QTY: 350 PCS PER REEL

# BOURNS

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