

Features

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

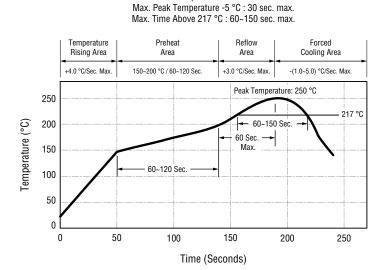
SPB0705 Series – Power Bead Inductors

Electrical Specifications @ 25 °C

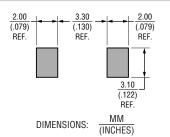
	Inductance @ 100 kHz / 0.1 V		DCR (mΩ)	DCR (mΩ)	Irms (A)	lsat (A)
Bourns Part No.	L (nH)	Tol. %	Тур.	Max.	Тур.	Тур.
SPB0705-72NM	72.0	20	0.18	0.35	43.0	65.0
SPB0705-R10M	105.0	20	0.18	0.35	43.0	44.0
SPB0705-R12M	120.0	20	0.18	0.35	43.0	37.0
SPB0705-R15M	150.0	20	0.18	0.35	43.0	30.0

Peak Temperature: 250 °C max.

Soldering Profile



Recommended Layout



How to Order



Model ______ Value Code (see table) _____

Electrical Schematic



* 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

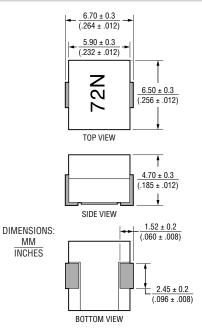
Operating Temperature

(Component Mounted)

Materials

Core	Ferrite
Flat Wire	Copper
Terminal Finish	Ni/Sn
Packaging 950 pcs.	per 13-inch reel

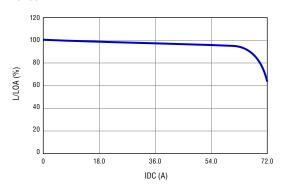
Product Dimensions



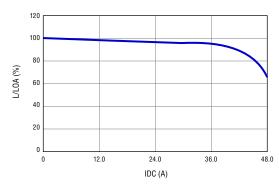
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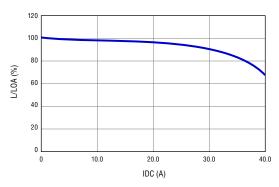
Typical Percentage of Inductance vs. Current Curves SPB0705-72NM



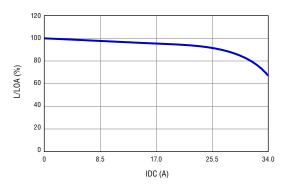
SPB0705-R10M



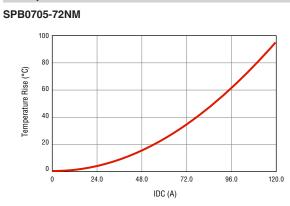
SPB0705-R12M



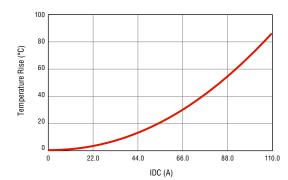
SPB0705-R15M



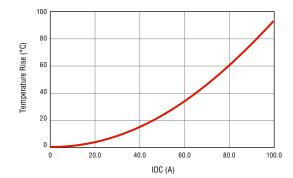
Temperature Rise vs. Current Plots



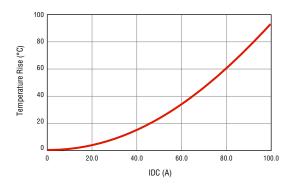












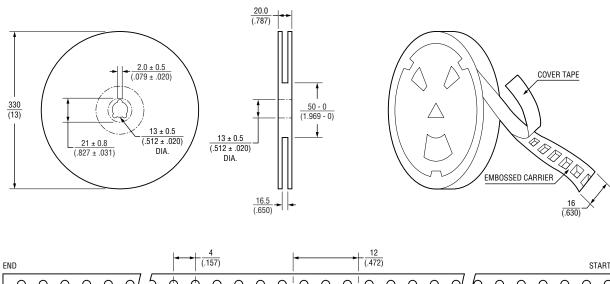
Specifications are subject to change without notice.

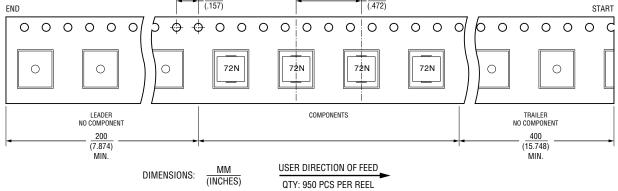
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Packaging Specifications





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