

### **Features**

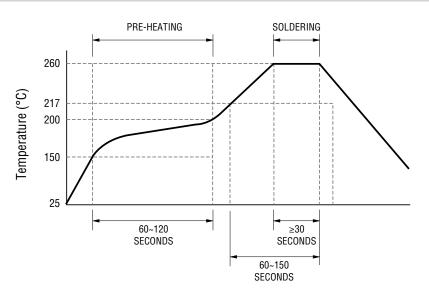
- Monolithic construction offering high reliability
- Magnetically shielded construction providing low radiation
- Low DC resistance
- Low profile
- RoHS compliant\*

# CVH201205 Series – Multilayer Power Chip Inductors

#### Electrical Specifications @ 25 °C

Bourns Part No.	Inductance @ 1 MHz / 0.1 V		SRF (MHz)	DCR (Ohms)	IDC (mA)
	L (µH)	Tol.	Тур.	±25 %	Тур.
CVH201205-R47M	0.47	±20 %	100	0.12	1100
CVH201205-1R0M	1.00	±20 %	90	0.19	800
CVH201205-2R2M	2.20	±20 %	40	0.33	600

#### Soldering Profile (Lead Free Solder)

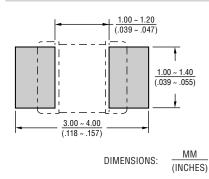


### Time (Seconds)

#### Schematic



### **Recommended Layout**



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

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

Specifications are subject to change without notice. Users should verify actual device performance in their specific applications.

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#### **General Specifications**

#### **Operating Temperature**

.....-40 °C to +85 °C (Temperature rise included) Storage Temperature .... -40 °C to +85 °C Temperature Rise

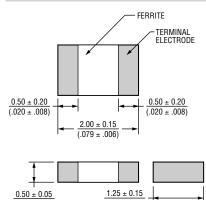
...... 40 °C at rated current Moisture Sensitivity Level ......1 ESD Classification (HBM).....N/A

#### Materials

 $(.020 \pm .002)$ 

Core	Ferrite
Terminal	Ag/Ni/Sn
Packaging 4000 pcs	per 7 inch reel

#### **Product Dimensions**

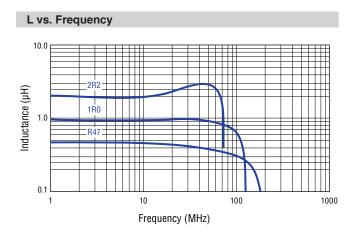


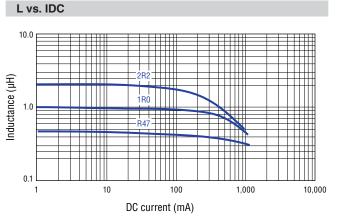
(.020 ± .020) MM DIMENSIONS:

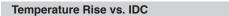
(INCHES)

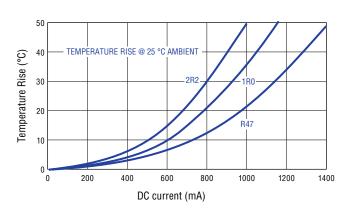
# **CVH201205 Series – Multilayer Power Chip Inductors**

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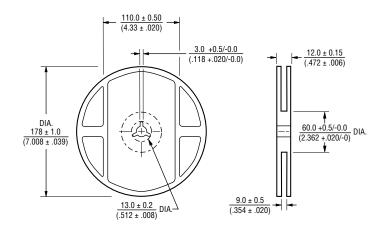
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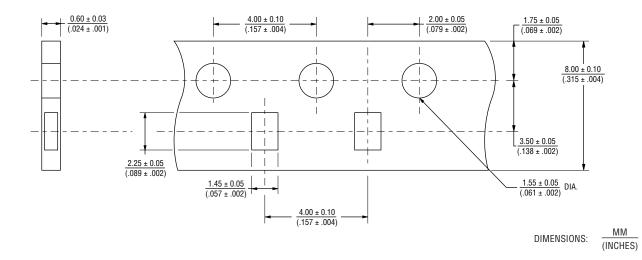
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# **CVH201205 Series – Multilayer Power Chip Inductors**

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**Packaging Specifications** 





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Asia-Pacific: Tel: +886-2 2562-4117 • Email: asiacus@bourns.com EMEA: Tel: +36 88 885 877 · Email: eurocus@bourns.com The Americas: Tel: +1-951 781-5500 • Email: americus@bourns.com www.bourns.com

#### 05/19

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