

### **Features**

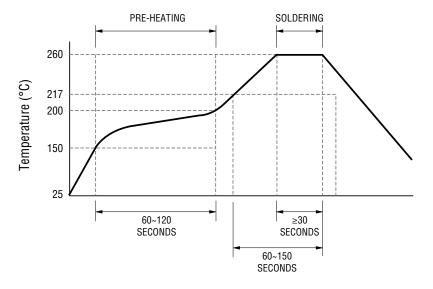
- Monolithic construction offering high reliability
- Magnetically shielded construction providing low radiation
- Low DC resistance
- Low profile
- RoHS compliant\*

# 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)

### **General Specifications**

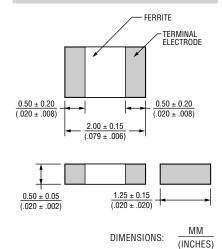
Operating Temperature

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

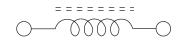
#### **Materials**

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

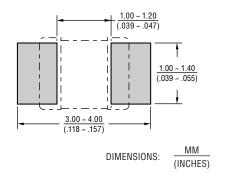
#### **Product Dimensions**



#### **Schematic**



### **Recommended Layout**





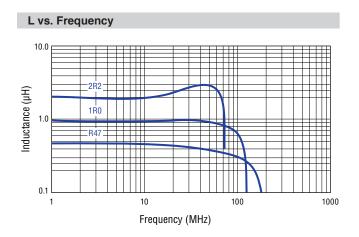
WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

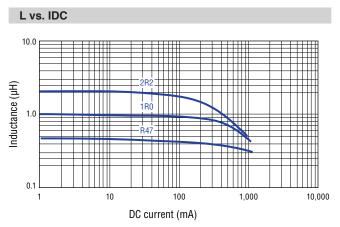
\*RoHS Directive 2015/863, Mar 31, 2015 and Annex. Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

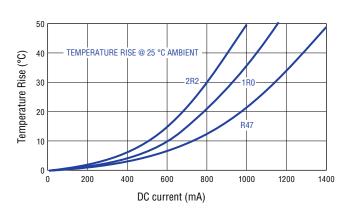
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## **CVH201205 Series – Multilayer Power Chip Inductors**





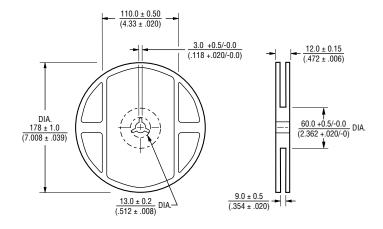
### Temperature Rise vs. IDC

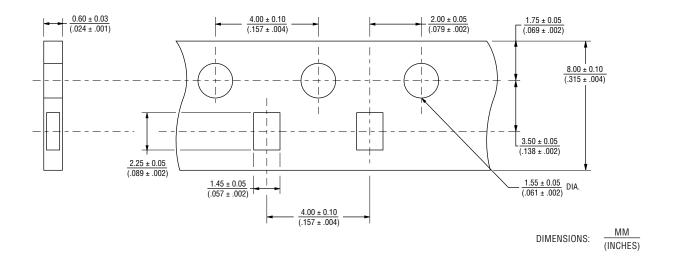


## CVH201205 Series – Multilayer Power Chip Inductors

### **BOURNS**

### **Packaging Specifications**





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