



### Features

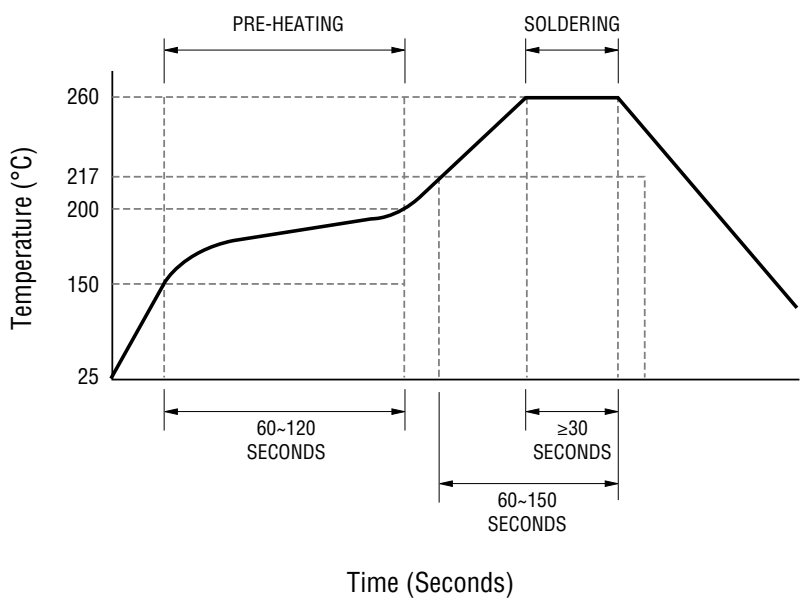
- Monolithic construction offering high reliability
- Magnetically shielded construction providing low radiation
- Low DC resistance
- Low profile
- AEC-Q200 compliant
- RoHS compliant\*

## CVH201610A 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.	Typ.	±25 %	Typ.
CVH201610A-R47M	0.47	±20 %	80	0.060	1600
CVH201610A-1R0M	1.00	±20 %	70	0.085	1400
CVH201610A-2R2M	2.20	±20 %	50	0.110	1200

### Soldering Profile (Lead Free Solder)



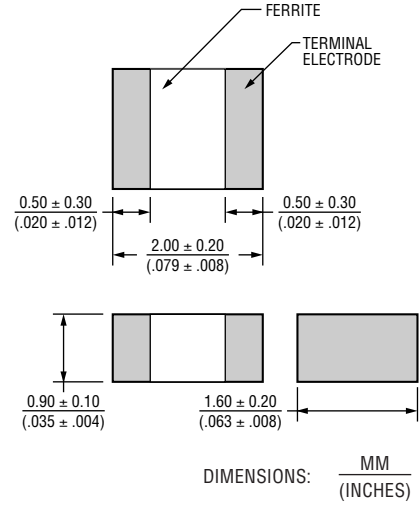
### General Specifications

Operating Temperature .....-55 °C to +125 °C  
 (Temperature rise included)  
 Storage Temperature...-55 °C to +125 °C  
 Temperature Rise ..... 20 °C at rated current  
 Moisture Sensivity Level..... 1  
 ESD Classification (HBM)..... N/A

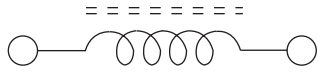
### Materials

Core.....Ferrite  
 Terminal.....Ag/Ni/Sn  
 Packaging..... 3000 pcs. per 7 inch reel

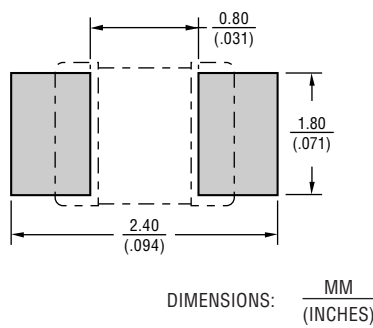
### Product Dimensions



### Schematic



### Recommended Layout

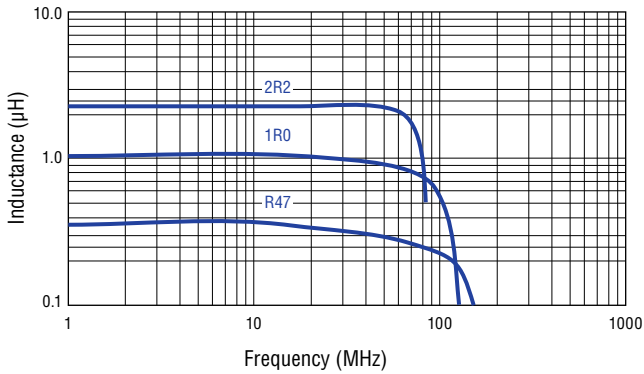


**WARNING Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**

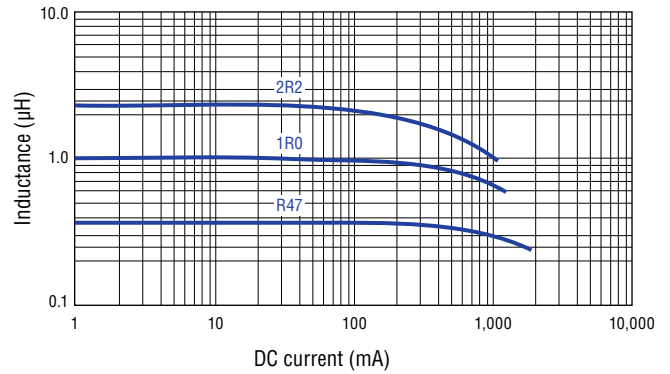
\*RoHS Directive 2015/863, Mar 31, 2015 and Annex.  
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 Users should verify actual device performance in their specific applications.  
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# CVH201210A Series – Multilayer Power Chip Inductors **BOURNS®**

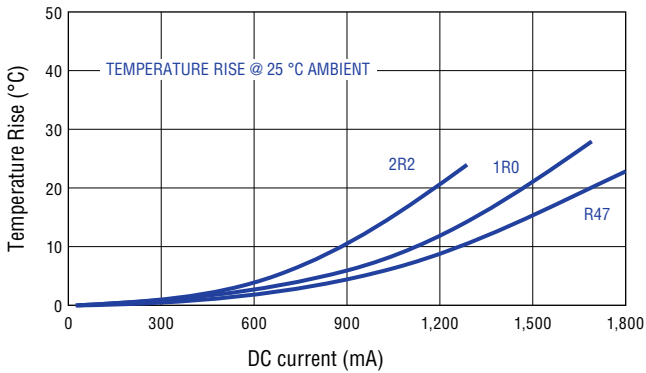
**L vs. Frequency**



**L vs. IDC**



**Temperature Rise vs. IDC**



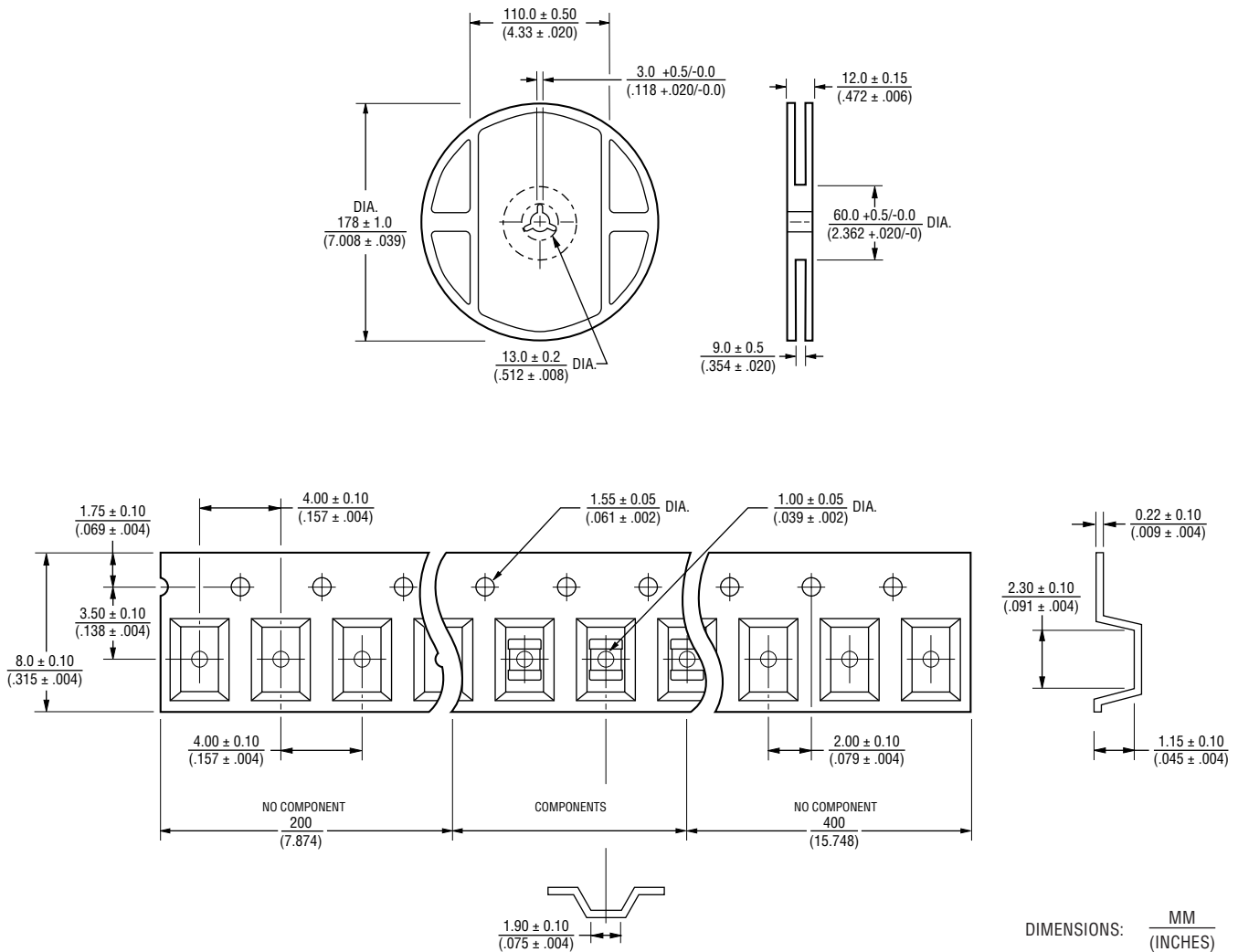
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# CVH201210A Series – Multilayer Power Chip Inductors **BOURNS®**

## Packaging Specifications



**BOURNS®**

Asia-Pacific: Tel: +886-2 2562-4117 • Email: [asiacus@bourns.com](mailto:asiacus@bourns.com)

EMEA: Tel: +36 88 885 877 • Email: [eurocus@bourns.com](mailto:eurocus@bourns.com)

The Americas: Tel: +1-951 781-5500 • Email: [americus@bourns.com](mailto:americus@bourns.com)

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