



## Features

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

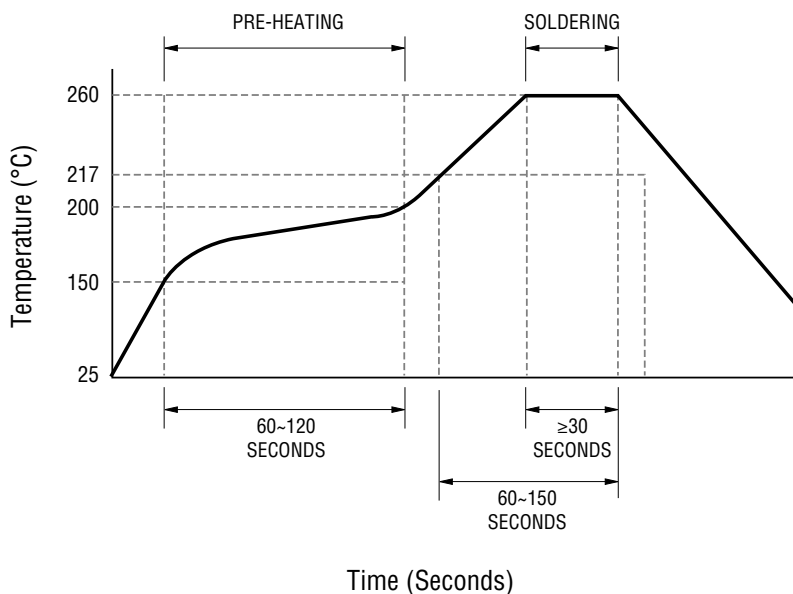
 This series is currently available but not recommended for new designs.

## 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.			
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)



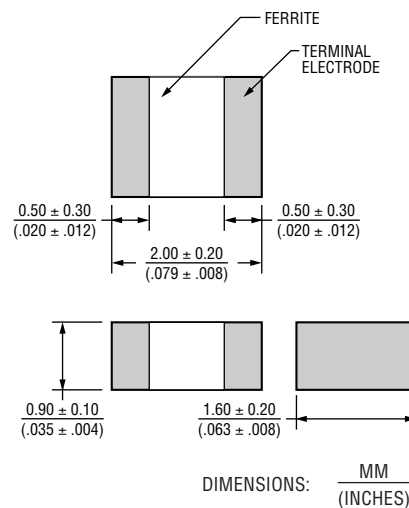
### General Specifications

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 Sensitivity Level..... 1  
ESD Classification (HBM)..... N/A

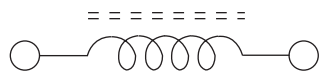
### Materials

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

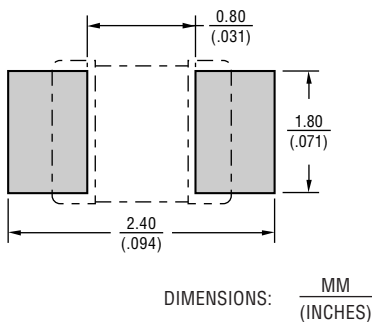
### Product Dimensions



### 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.

Specifications are subject to change without notice.

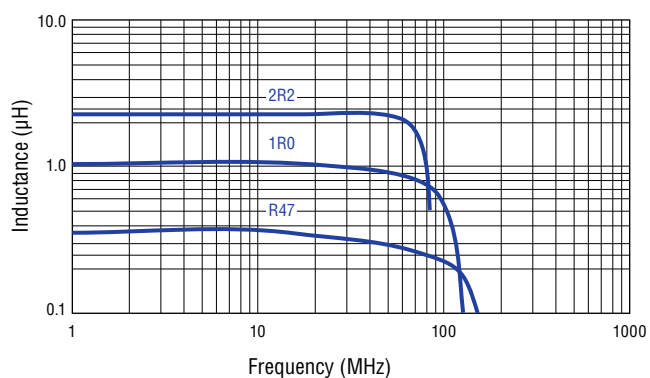
Users should verify actual device performance in their specific applications.

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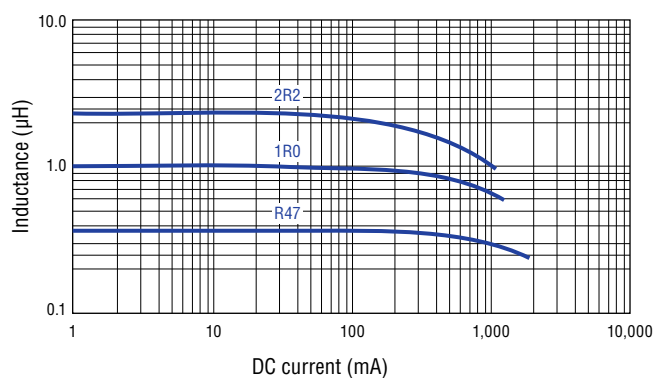
# CVH201210A Series – Multilayer Power Chip Inductors

**BOURNS®**

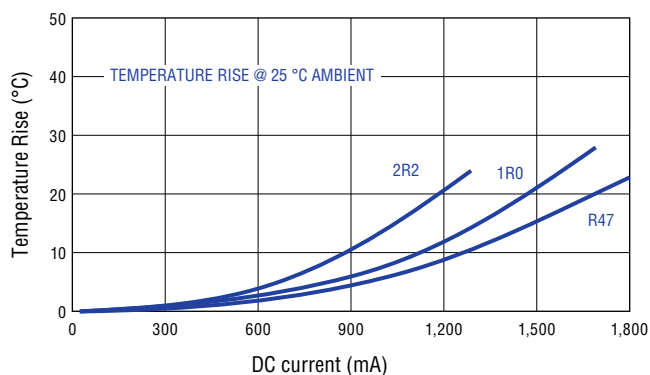
**L vs. Frequency**



**L vs. IDC**



**Temperature Rise vs. IDC**



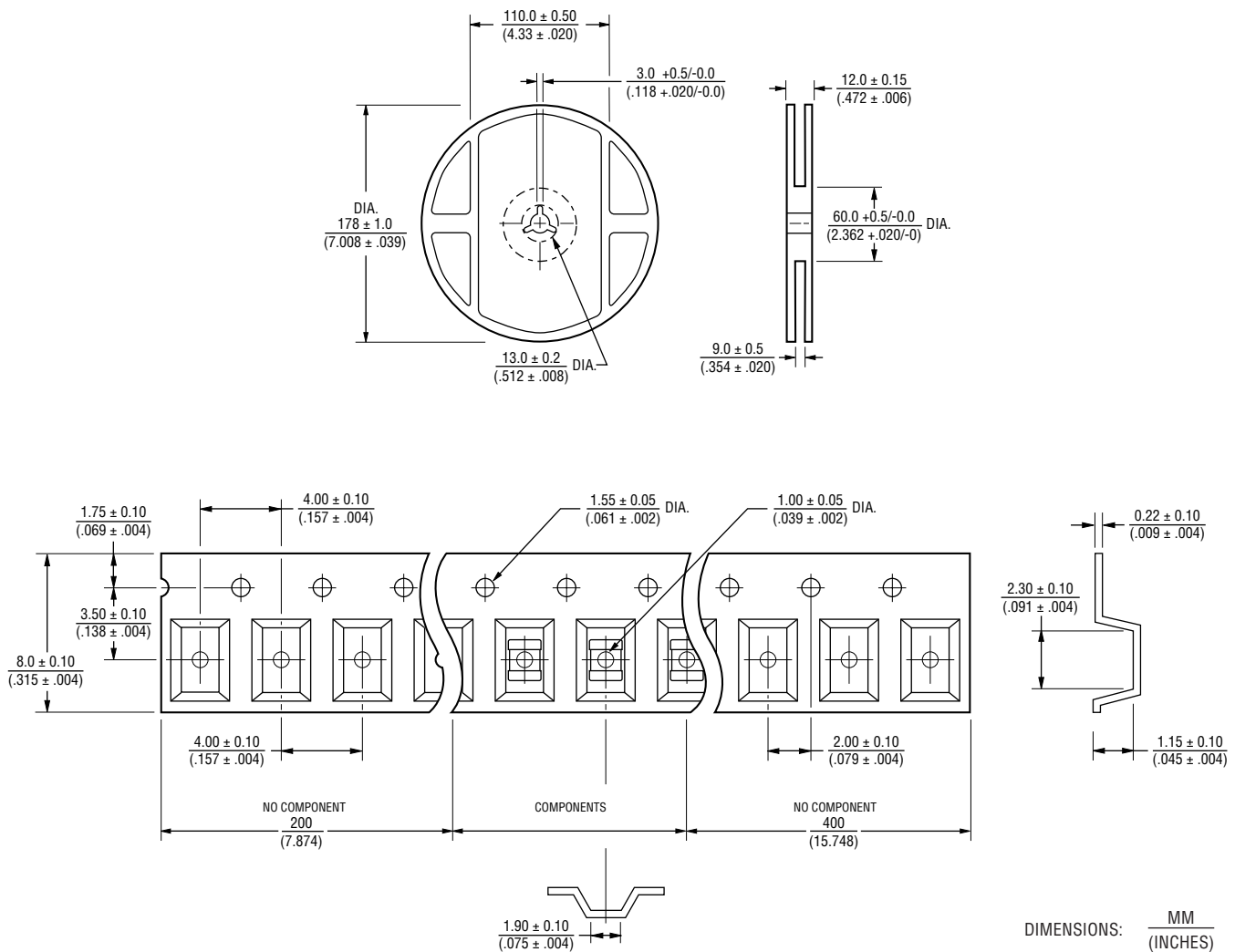
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# CVH201210A Series – Multilayer Power Chip Inductors **BOURNS®**

## Packaging Specifications



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