

#### **Features**

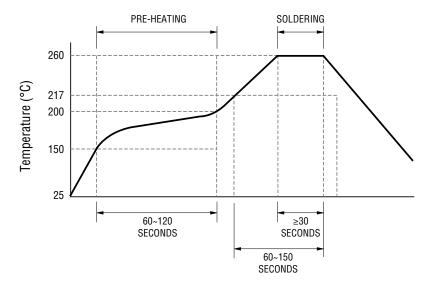
- Monolithic construction offering high reliability
- Magnetically shielded construction providing low radiation
- Low DC resistance
- Low profile
- AEC-Q200 compliant
- RoHS compliant\*

# CVH201610A Series – Multilayer Power Chip Inductors

#### Electrical Specifications @ 25°C

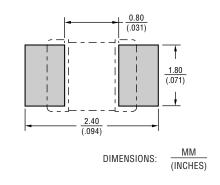
Bourns Part No.	Inductance @ 1 MHz / 0.1 V		SRF (MHz)	DCR (Ohms)	IDC (mA)
	L (μH)	Tol.	Тур.	±25 %	Тур.
CVH201610A-R47M	0.47	±20 %	80	0.060	1600
CVH201610A-1R0M	1.00	±20 %	70	0.085	1400
CVH201610A-2R2M	2.20	±20 %	50	0.110	1200

#### Soldering Profile (Lead Free Solder)



Time (Seconds)

#### **Recommended Layout**



#### **General Specifications**

Operating Temperature

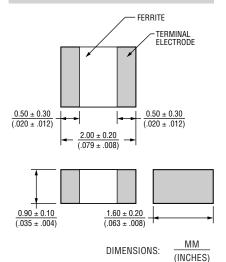
.....-55 °C to +125 °C (Temperature rise included) Storage Temperature .. - 55 °C to +125 °C Temperature Rise

......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**



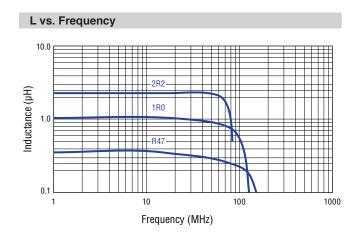


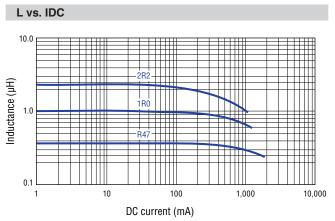
**Schematic** 

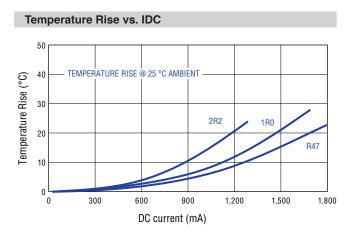
WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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

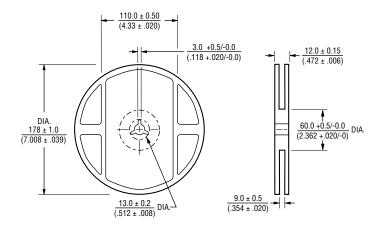


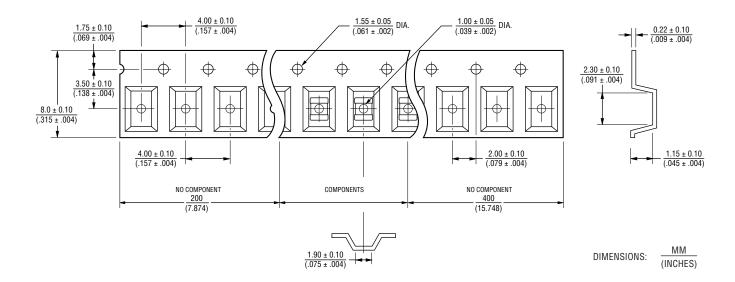




## CVH201210A Series – Multilayer Power Chip Inductors **BOURNS**°

#### **Packaging Specifications**





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05/19

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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