

### **Features**

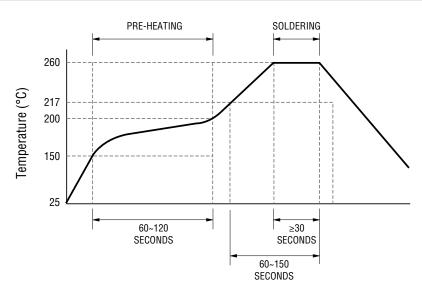
- Monolithic construction offering high reliability
- Magnetically shielded construction providing low radiation
- Low DC resistance
- Low profile
- RoHS compliant\*

# CVH160808 Series – Multilayer Power Chip Inductors

#### Electrical Specifications @ 25 °C

Bourns <sup>®</sup> Part No.	Inductance @ 1 MHz / 0.1 V		SRF (MHz)	DCR (Ohms)	IDC (mA)
	L (µH)	Tol.	Тур.	±25 %	Тур.
CVH160808-R24M	0.24	±20 %	90	0.100	1200
CVH160808-R47M	0.47	±20 %	70	0.100	1200
CVH160808-1R0M	1.00	±20 %	60	0.200	950
CVH160808-2R2M	2.20	±20 %	50	0.300	750

#### Soldering Profile (Lead Free Solder)



Time (Seconds)

**General Specifications** 

#### **Operating Temperature**

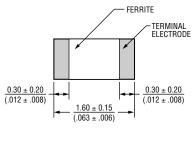
.....-40 °C to +85 °C (Temperature rise included) Storage Temperature .... -40 °C to +85 °C Temperature Rise

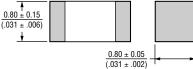
...... 40 °C at rated current Moisture Sensitivity Level ......1 ESD Classification (HBM).....N/A

#### Materials

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

#### **Product Dimensions**



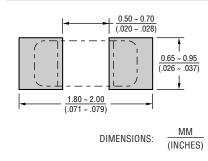


 $\mathsf{M}\mathsf{M}$ DIMENSIONS: (INCHES)





#### **Recommended Layout**



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

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

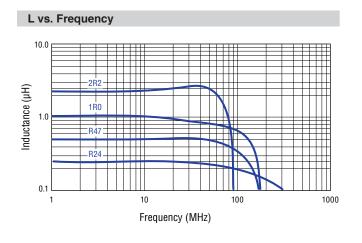
Specifications are subject to change without notice.

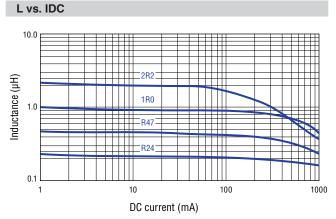
Users should verify actual device performance in their specific applications.

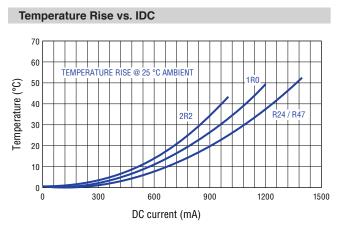
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# **CVH160808 Series – Multilayer Power Chip Inductors**

### BOURNS







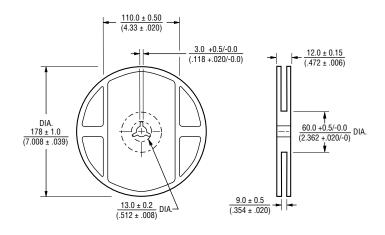
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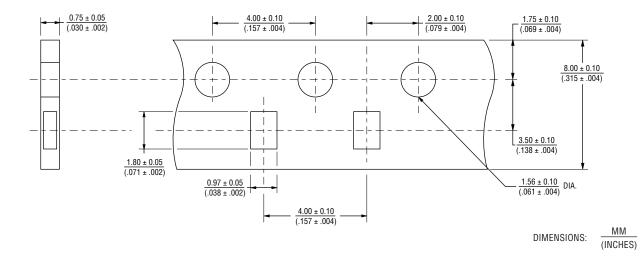
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# **CVH160808 Series – Multilayer Power Chip Inductors**

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**Packaging Specifications** 





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