

#### **Features**

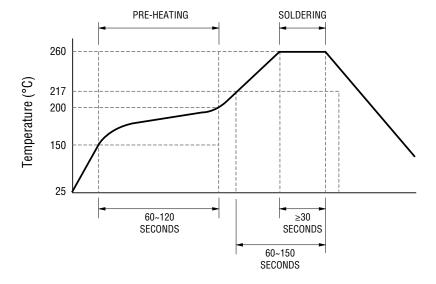
- Monolithic construction offering high reliability
- Magnetically shielded construction providing low radiation
- Low DC resistance
- Low profile
- RoHS compliant\*

# CVH160808 Series – Multilayer Power Chip Inductors

#### Electrical Specifications @ 25 °C

Bourns® 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**

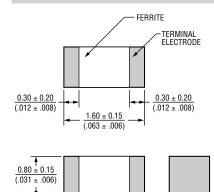
**Operating Temperature** 

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

#### **Materials**

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

#### **Product Dimensions**



DIMENSIONS:  $\frac{MM}{(INCHES)}$ 

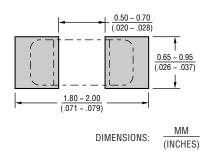
 $0.80 \pm 0.05$ 

 $(.031 \pm .002)$ 

#### **Schematic**



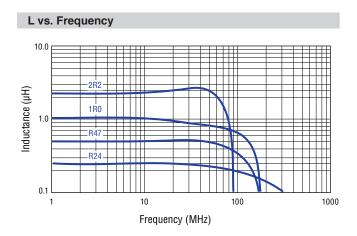
#### **Recommended Layout**

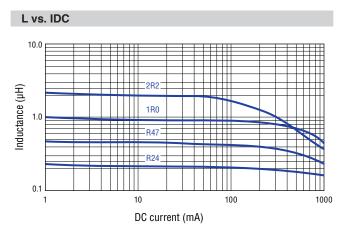


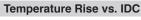


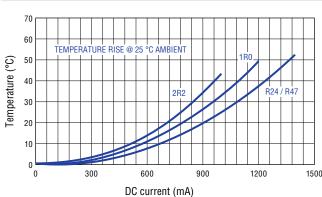
WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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





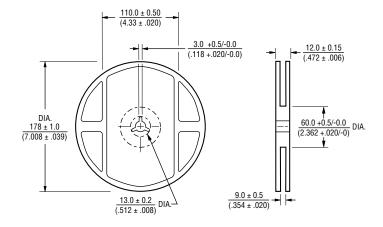


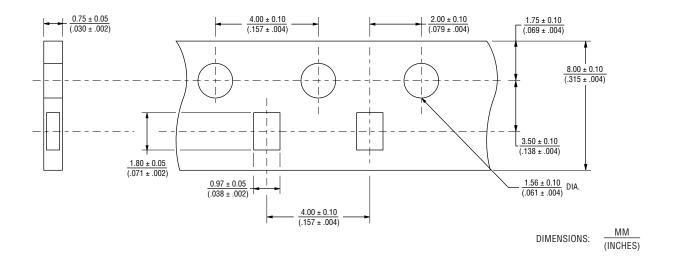


# **CVH160808 Series – Multilayer Power Chip Inductors**

### **BOURNS**®

#### **Packaging Specifications**





## **BOURNS**®

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