

Features

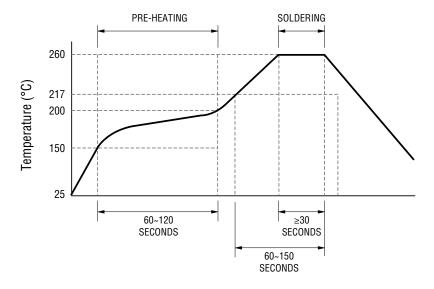
- Monolithic construction offering high reliability
- Magnetically shielded construction providing low radiation
- Low DC resistance
- Low profile
- RoHS compliant*

CVH201205 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.
CVH201205-R47M	0.47	±20 %	100	0.12	1100
CVH201205-1R0M	1.00	±20 %	90	0.19	800
CVH201205-2R2M	2.20	±20 %	40	0.33	600

Soldering Profile (Lead Free Solder)



Time (Seconds)

General Specifications

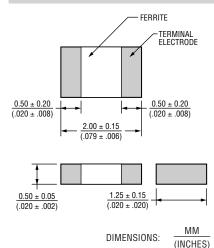
Operating Temperature

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

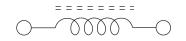
Materials

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

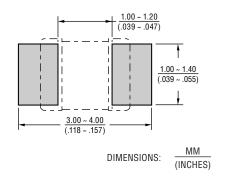
Product Dimensions



Schematic



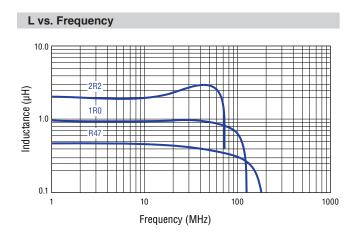
Recommended Layout

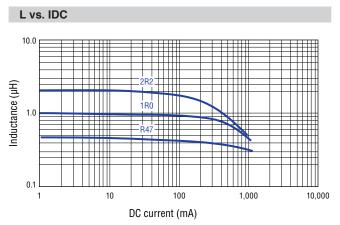




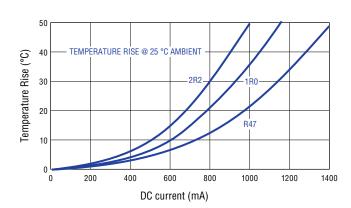
WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

CVH201205 Series – Multilayer Power Chip Inductors



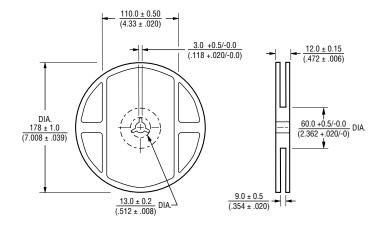


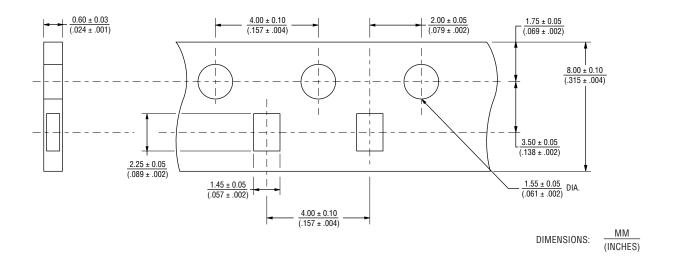
Temperature Rise vs. IDC



CVH201205 Series – Multilayer Power Chip Inductors **BOURNS**

Packaging Specifications





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