

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.	Typ.	±25 %	Typ.
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

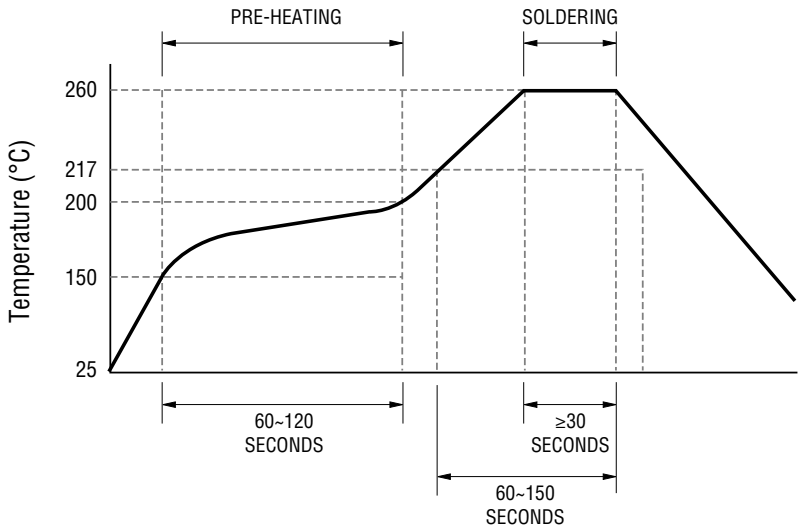
General Specifications

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

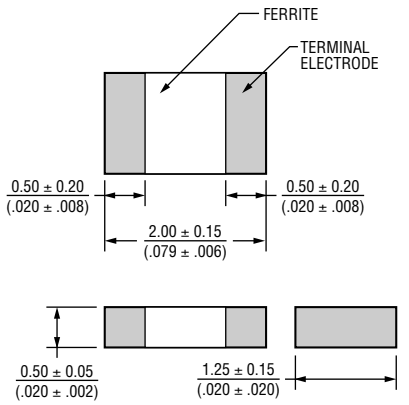
Materials

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

Soldering Profile (Lead Free Solder)

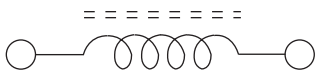


Product Dimensions

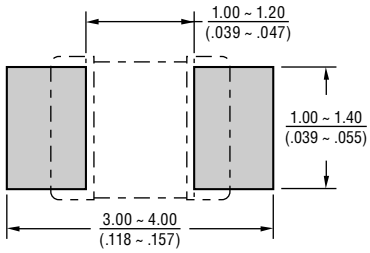


DIMENSIONS: MM / (INCHES)

Schematic



Recommended Layout



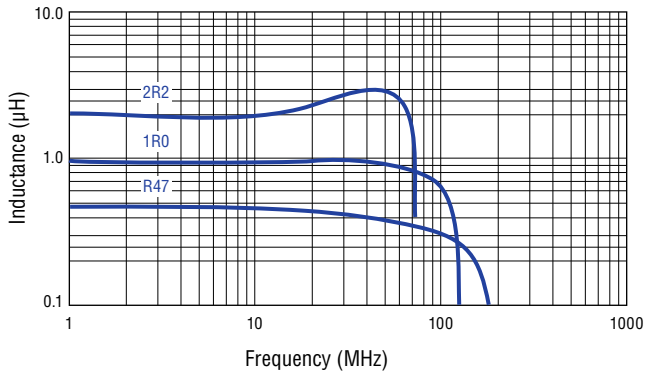
DIMENSIONS: MM / (INCHES)

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

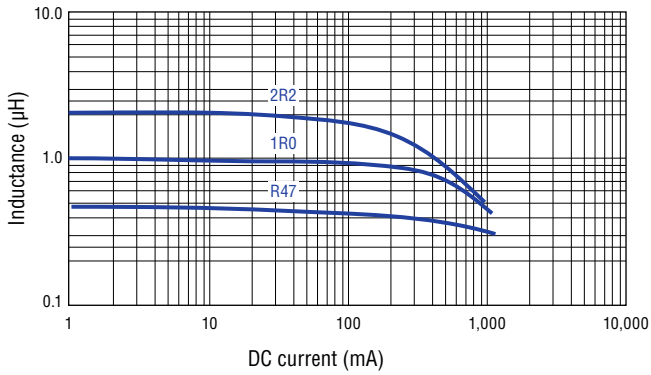
*RoHS Directive 2015/863, Mar 31, 2015 and Annex.
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Users should verify actual device performance in their specific applications.
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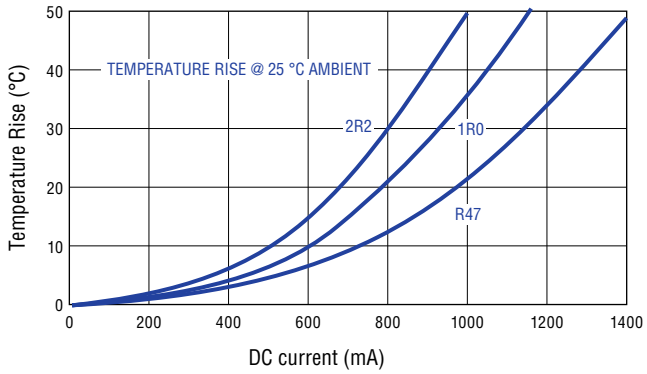
L vs. Frequency



L vs. IDC



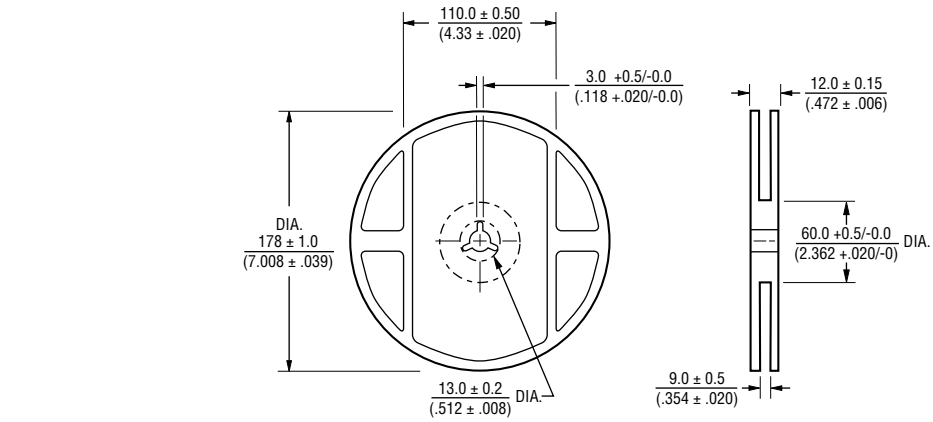
Temperature Rise vs. IDC

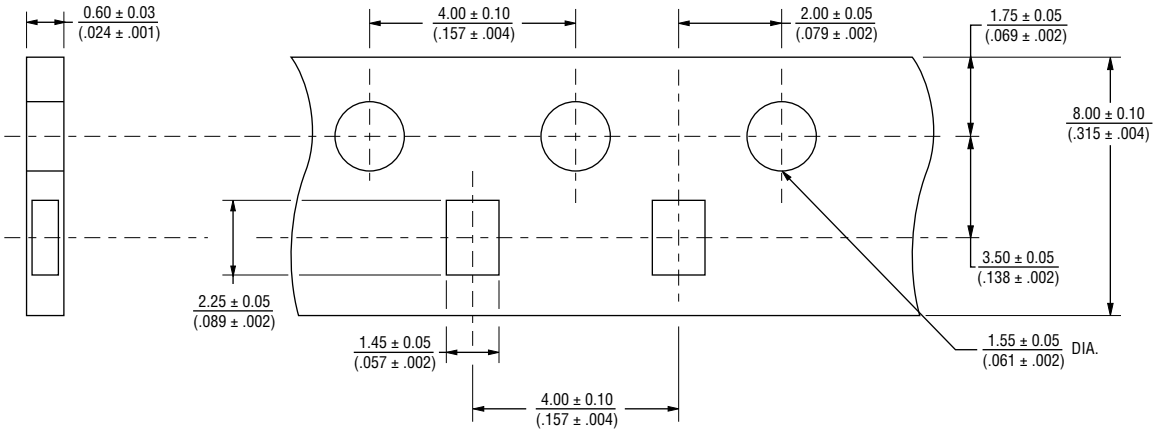


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Packaging Specifications





DIMENSIONS: MM / (INCHES)

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