

Features

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

This series is currently available but not recommended for new designs. The SRP2010PA Series is the recommended replacement.

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.	Typ.	±25 %	Typ.
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

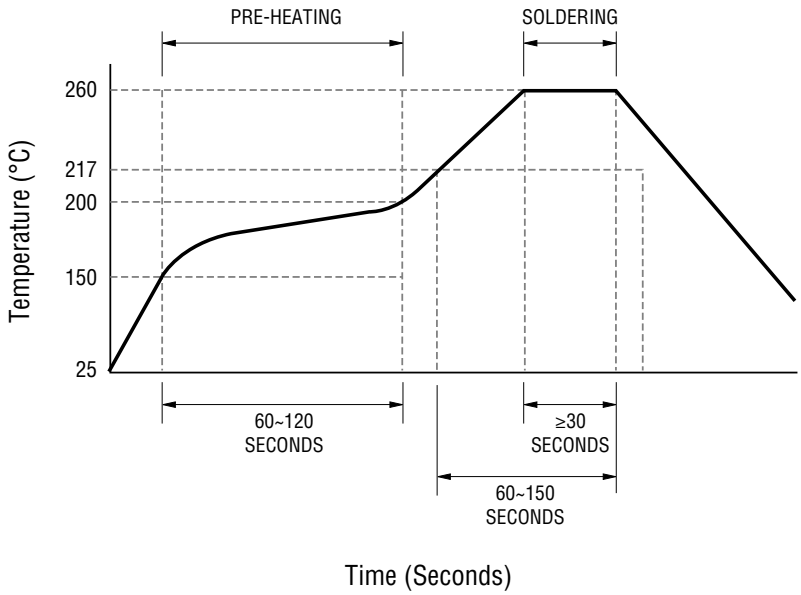
General Specifications

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

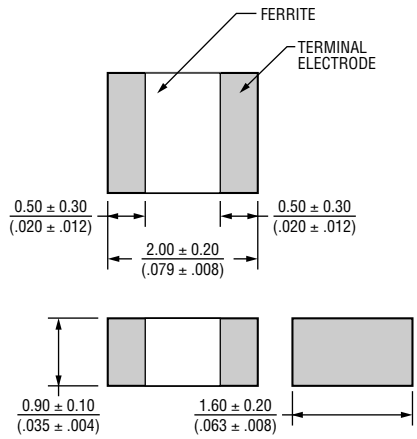
Materials

Core.....Ferrite
Terminal.....Ag/Ni/Sn
Packaging..... 3000 pcs. per 7 inch reel

Soldering Profile (Lead Free Solder)

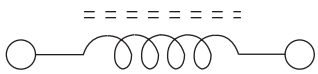


Product Dimensions

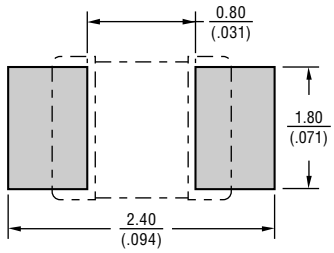


DIMENSIONS: MM / (INCHES)

Schematic



Recommended Layout



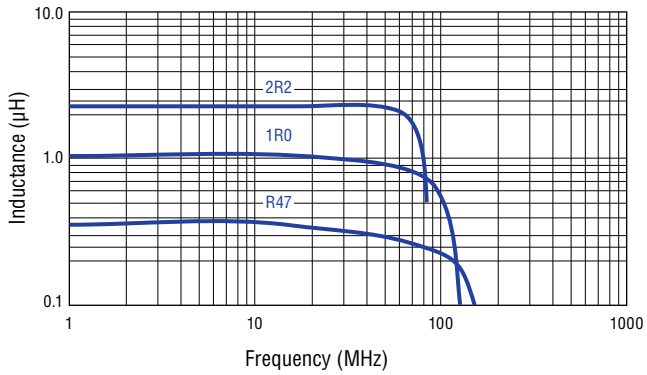
DIMENSIONS: MM / (INCHES)

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

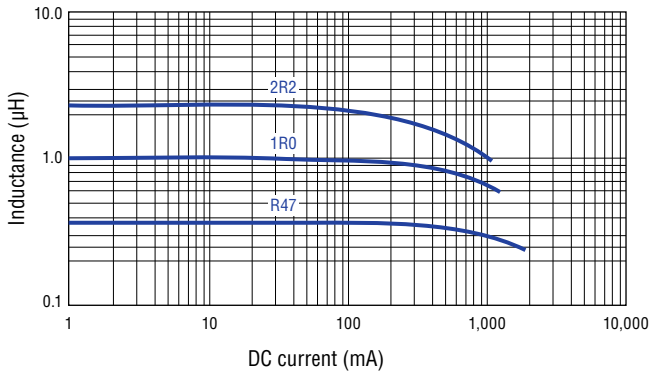
*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
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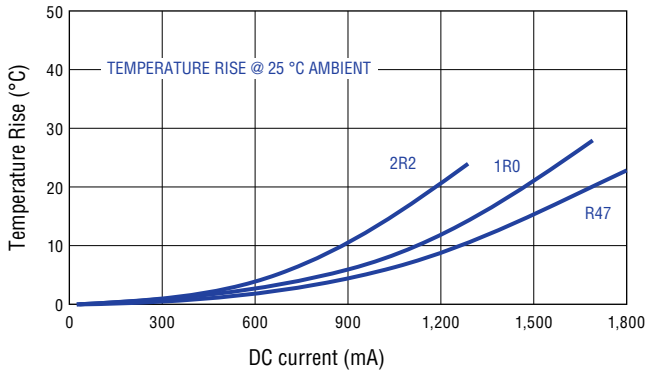
L vs. Frequency



L vs. IDC



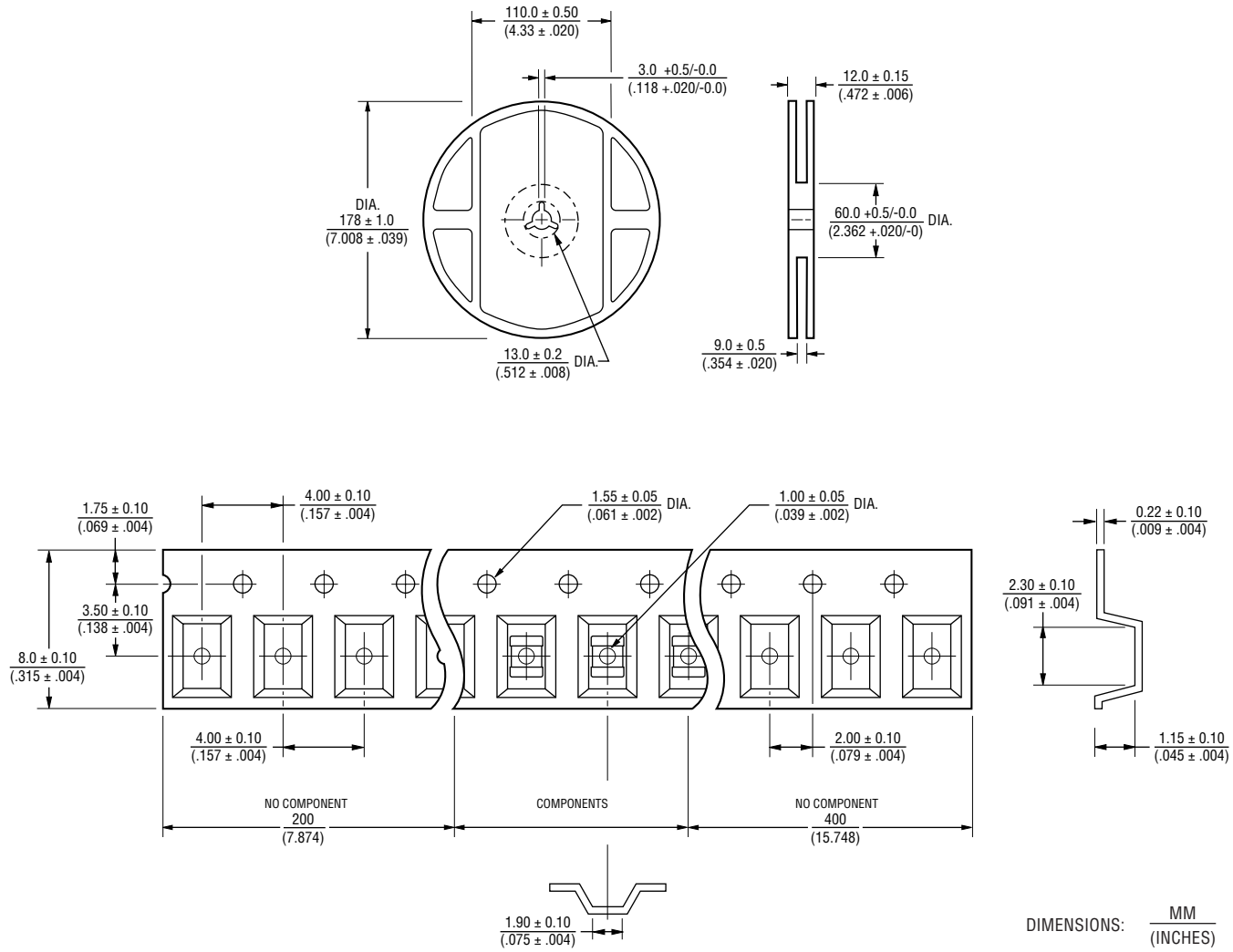
Temperature Rise vs. IDC



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Packaging Specifications



REV. 07/20/26

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