

Features

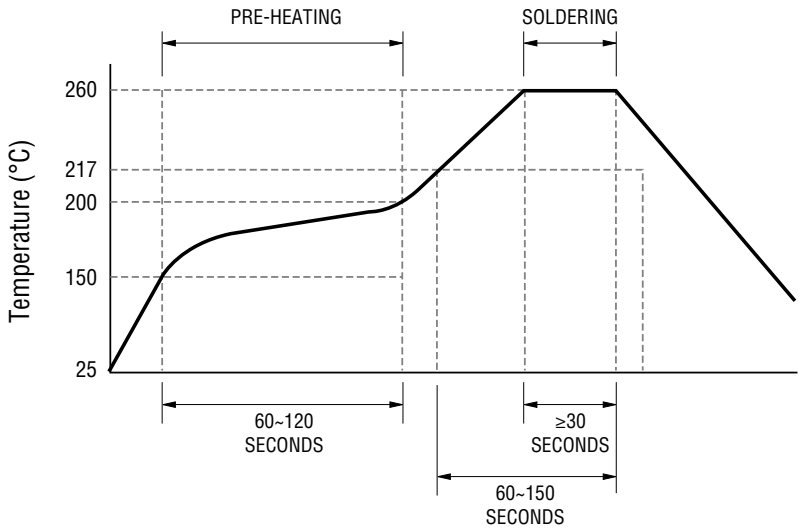
- Monolithic construction offering high reliability
- Magnetically shielded construction providing low radiation
- Low DC resistance
- Low profile
- RoHS compliant*

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.	Typ.	±25 %	Typ.
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)



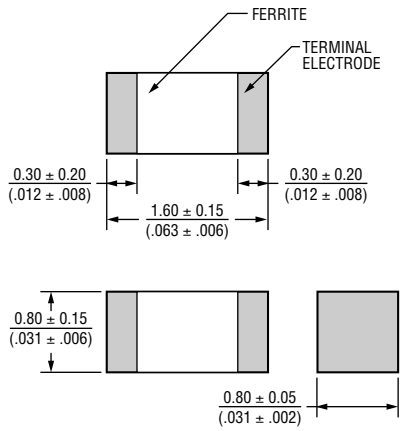
General Specifications

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

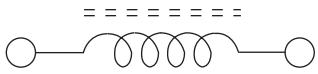
Core.....Ferrite
Terminal.....Ag/Ni/Sn
Packaging..... 4000 pcs. per 7 inch reel

Product Dimensions

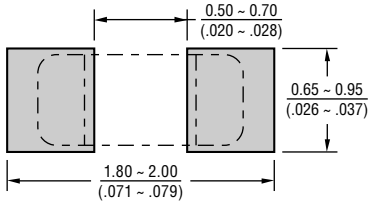


DIMENSIONS: MM / (INCHES)

Schematic



Recommended Layout



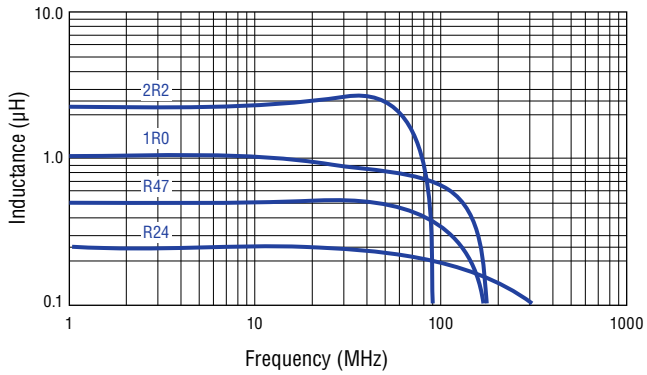
DIMENSIONS: MM / (INCHES)

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

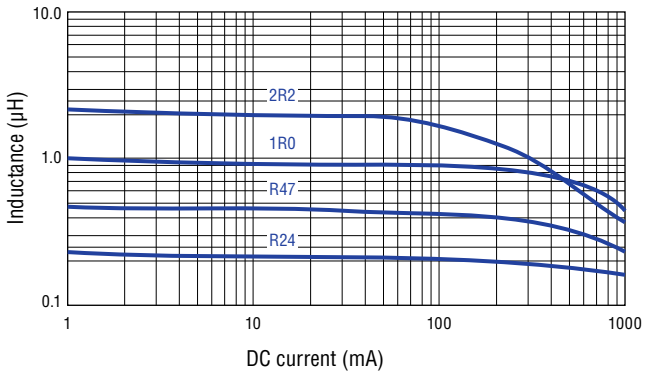
*RoHS Directive 2015/863, Mar 31, 2015 and Annex.
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Users should verify actual device performance in their specific applications.
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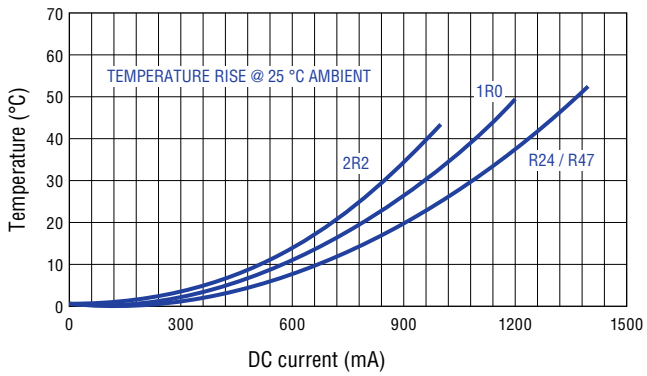
L vs. Frequency



L vs. IDC



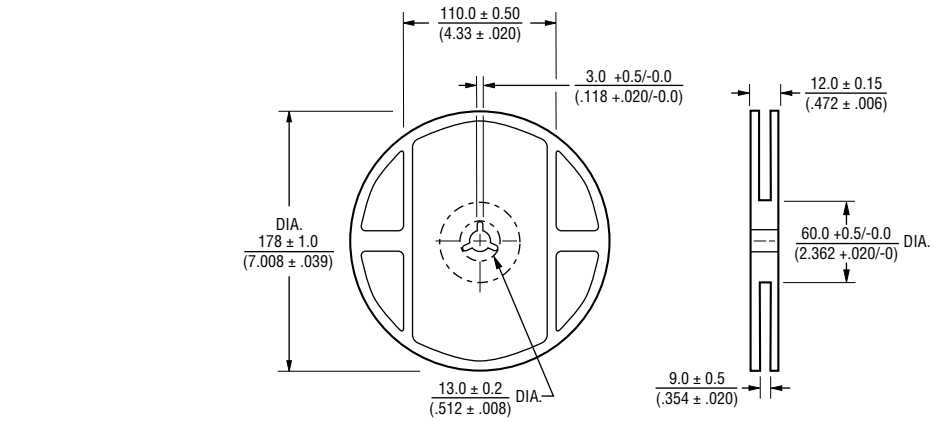
Temperature Rise vs. IDC

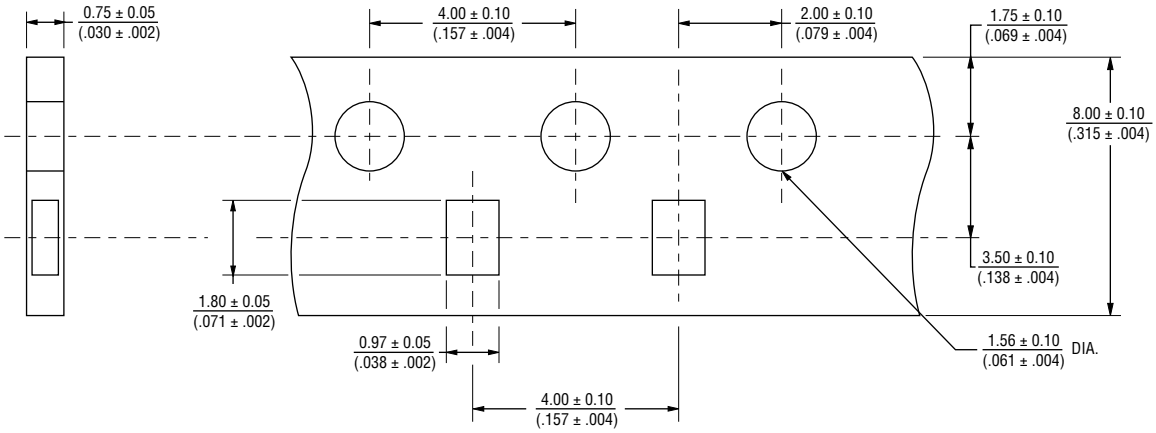


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Packaging Specifications





DIMENSIONS: MM / (INCHES)

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