

Features

- AC EMI filtering
- Compact size
- Inductance range from 1.0 to 8.7 mH
- Rated current to 2.8 Amps
- RoHS* and REACH compliant
- Operating temperature: -40 °C to +125 °C

Applications

- AC power supplies
- AC input filters
- DC power converters
- General EMI filtering applications

Model CM1309 Series – Common Mode Choke

General Specifications

Operating Temperature Range (including self-temperature rise) -40 °C to +125 °C
 Storage Temperature Range -25 °C to +85 °C
 Moisture Sensitivity Level 1

Additional Information

Click these links for more information:



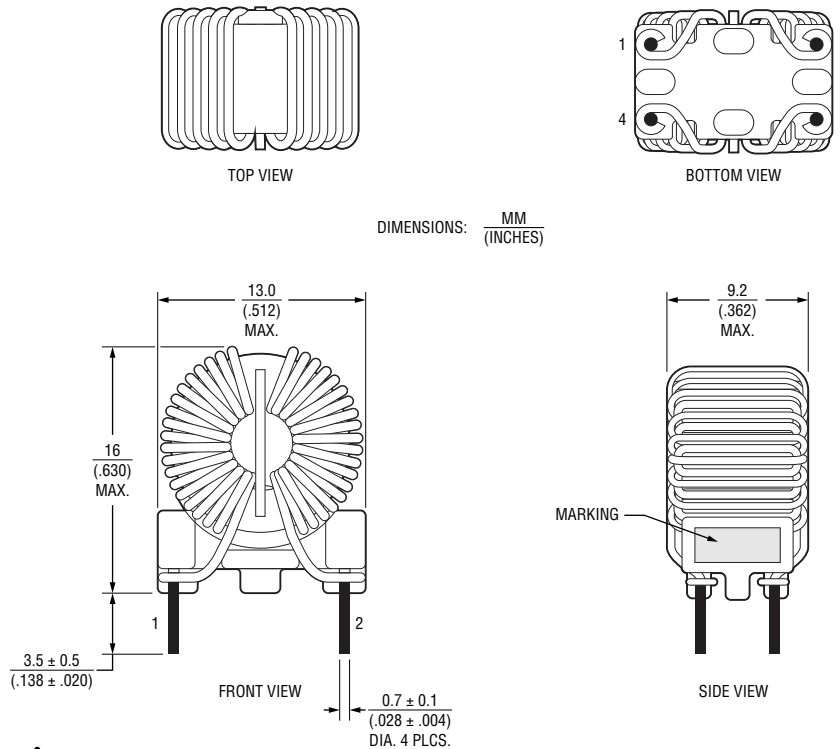
Electrical Specifications @ 25 °C

Bourns Part Number	Test Condition	Inductance (mH +50/-35 %)	Current Rating ¹ Max. (A)	Leakage Inductance Typ. (µH)	DC Resistance Max. (mΩ)	SRF Typ. (MHz)
CM13091CT-872	10 kHz, 0.1 V	8.7	0.7	30	215	0.39
CM13092CT-412		4.1	1.2	14	85	0.66
CM13090CT-242		2.4	2.0	8.5	50	1.05
CM13093CT-102		1.0	2.8	3.8	22	1.65

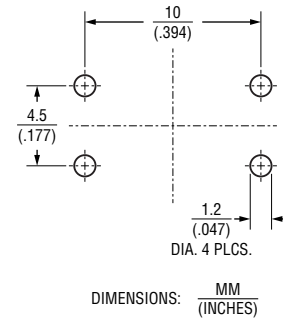
Notes

1. Rated current to cause approx. 40 °C temperature rise.
2. Hi-Pot between windings over 600 VAC, 3 S.

Product Dimensions



Recommended Layout



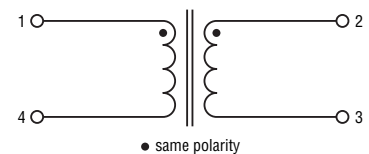
Materials

Base Phenolic
 Wire Enameled wire
 Core Ferrite
 Glue Epoxy

Packaging Specifications

Tray 81 pcs. per tray
 972 pcs. per carton

Schematic



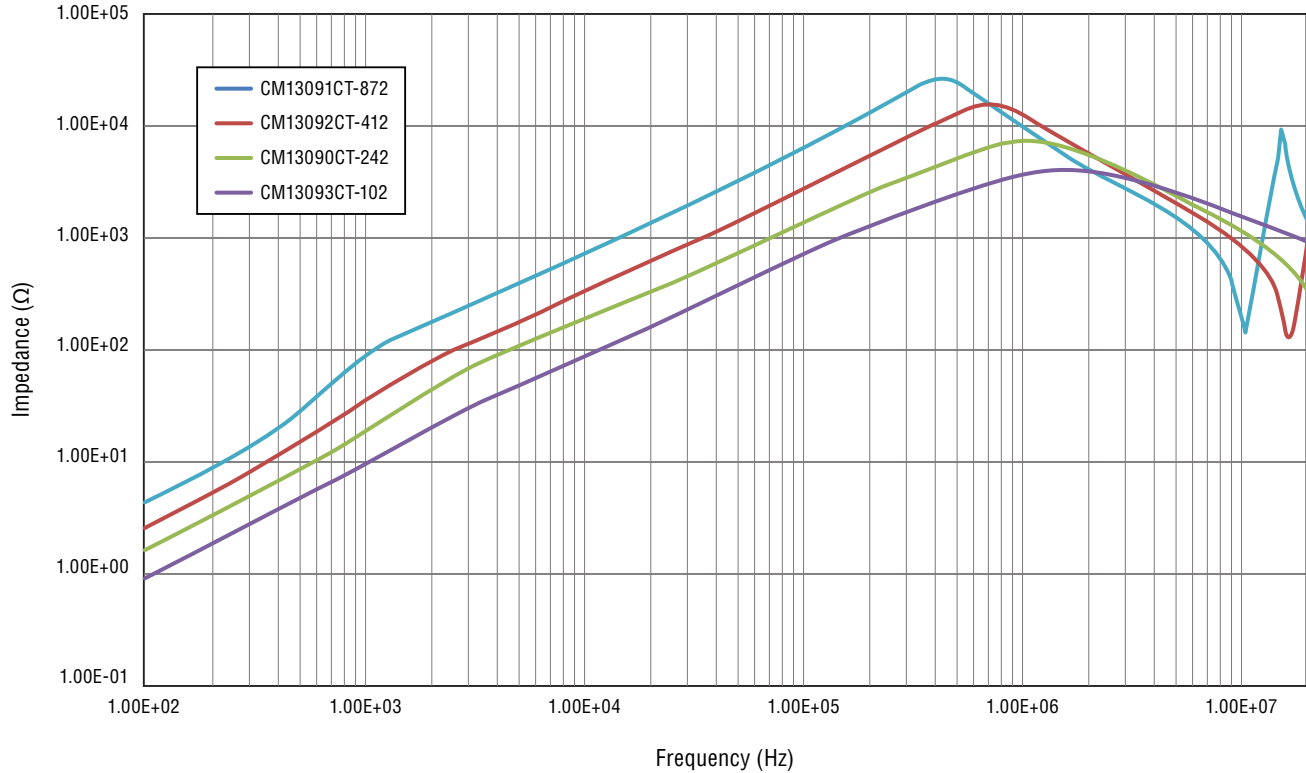
WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

*RoHS Directive 2015/863, Mar 31, 2015 and Annex. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

Model CM1309 Series – Common Mode Choke

BOURNS®

Impedance



How to Order

CM 1309 1 CT - 872

Model _____
 CM = Common Mode

Core and Size _____
 13 = Length, 09 = Width

Series Number _____

Reliability Level _____
 C = Consumer Level

Pin Style _____
 T = Through-hole Style

Inductance Value _____
 872 = 8.7 mH

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REV. 10/24

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Users should verify actual device performance in their specific applications.

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