

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 Level1

Additional Information

Click these links for more information:









SAMPLES



Recommended Layout

(.394)

(.047)

(INCHES)

DIMENSIONS:

<u>INVENTORY</u>

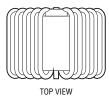
Electrical Specifications @ 25 °C

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

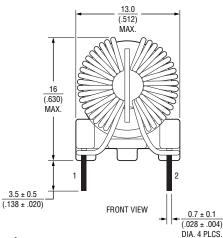
- 1. Rated current to cause approx. 40 $^{\circ}\text{C}$ temperature rise.
- 2. Hi-Pot between windings over 600 VAC, 3 S.

Product Dimensions











Packaging Specifications

Materials

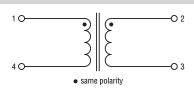
Tray81 pcs. per tray 972 pcs. per carton

BasePhenolic Wire Enameled wire

Core......Ferrite

GlueEpoxy

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

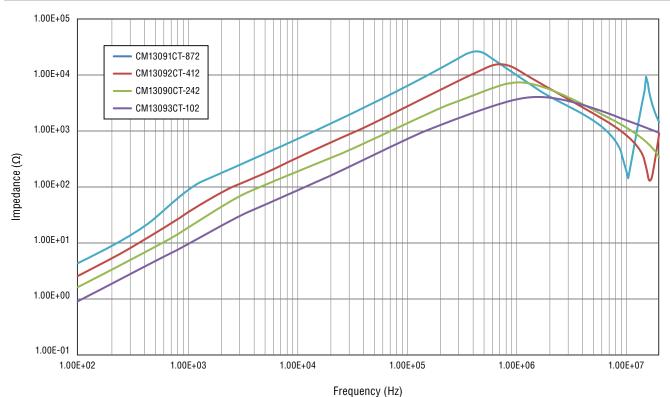
DIMENSIONS:

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Model CM1309 Series - Common Mode Choke

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872 = 8.7 mH

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