

## CM4030 SERIES

### **Common Mode Chokes**



\*ROHS COMPLANT

#### **Features**

- AC EMI filtering common mode choke
- Inductance range: 2.90 to 8.90 mH
- Rated current: up to 25 Amps
- Operating temperature: -40 °C to +125 °C
- RoHS compliant\*

#### **Applications**

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

#### **Sustainability**

- Eco-logistics-friendly packing
- Energy-saving low power design
- High efficiency, low power loss
- ISO 14001, low impact energy
- Responsibly sourced and produced
- Meets EU 94/62/EC standards

#### **Product Overview**

Bourns® CM4030 Series Common Mode Choke offers inductance ranges from 2.90 mH to 8.90 mH nominally and current ranges from 10 A to 25 A with a footprint measuring 41 mm long, 31 mm wide, and 40 mm tall.

The CM4030 Series is designed for filtering common mode noise in a wide range of industrial and commercial applications such as energy storage,

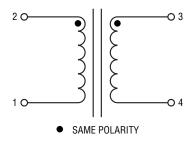
enterprise computing, and green energy. A high permeability nanocrystalline core results in self resonant frequencies up to 3 MHz - ideal for filtering high frequency switching supplies with temperature ratings from -40  $^{\circ}$ C to +125  $^{\circ}$ C.

Please contact Bourns for customized solutions with extended sizes, inductance and current ranges.

Electrical Specifications (@ T <sub>A</sub> = 25 °C Unless Otherwise Noted)							
Bourns Part Number	Inductance @ 100K, 0.1 V (mH)	Tolerance (%)	Leakage Inductance @ 100K, 0.1 V Max. (μΗ)	DCR Max. (mΩ)	Irms Max. (A)	Hi-Pot 3.0K VAC, 2 s Max. (mA)	
CM40300CT-892	8.90	-40 / +50	40	24.24	10		
CM40301CT-522	5.20		24.75	10.8	15	3.0	
CM40302CT-452	4.50		23	8.62	20	3.0	
CM40303CT-292	2.90		16	5.2	25		

#### 

#### **Electrical Schematic**



Materials	
Core	Nanocrystalline
	Enameled copper
	Sn

Contact Information					
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<sup>\*</sup> 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.

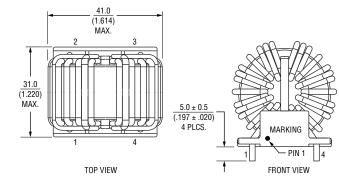
# CM4030 SERIES

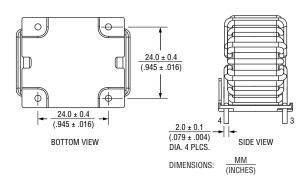
**Common Mode Chokes** 



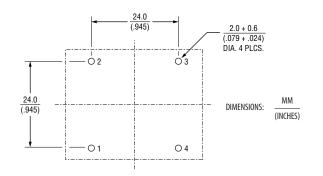
\*ROHS COMPLIANT

#### **Product Dimensions**

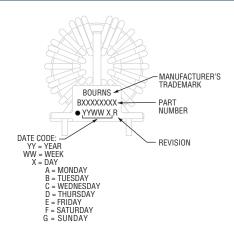




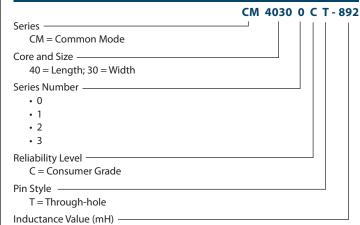
#### **Recommended Layout**



### **Typical Part Marking**



#### **How to Order**



ductance Value (n 892 = 8.90

522 = 5.20

452 = 4.50

292 = 2.90

#### **Packaging Specifications**

Box ......20 pcs. per box / 80 pcs. per carton

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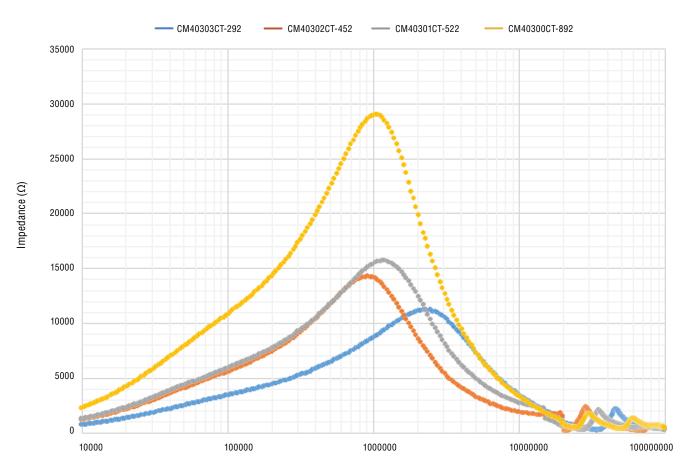


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#### Impedance



Frequency (Hz)

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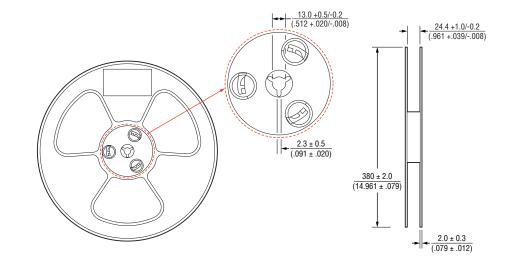
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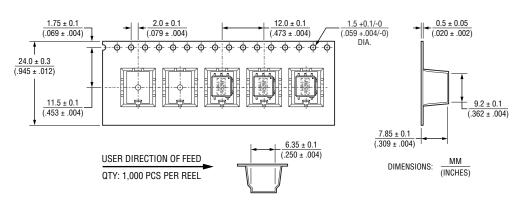


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#### **Packaging Specifications**

1000 pieces per reel, 5 reels per carton.

















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