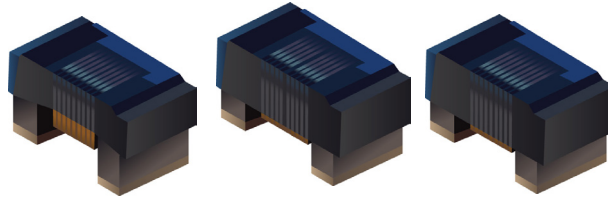




NEW PRODUCT RELEASE

MAGNETICS



Bourns Releases New AEC-Q200 Compliant, Automotive Grade Chip Inductors

CWF1610A, CWF1612A and CWF2012A Series


Riverside, California – April 3, 2025 – Bourns Magnetics Product Line is introducing the new Automotive Grade [CWF1610A](#), [CWF1612A](#), and [CWF2012A](#) Series Chip Inductors. These new inductors feature wirewound construction on a ferrite core, offering high inductance, high Q, high self-resonant frequency and low DCR in a compact size. These series are AEC-Q200 compliant with an operating temperature range of -55 to +125 °C. These inductors are well-suited for use in RF signal processing, resonant circuits, decoupling, noise filters and low current DC power lines, as well as automotive systems.

Characteristics:

Series	Size (mm)	Inductance (µH)	Self-Resonant Frequency (MHz)	Rated Current (mA)	Operating Temperature (°C)
CWF1610A	1.6 x 1.0 x 1.0	0.1 – 22	24 – 1150	200 – 1400	-55 to +125
CWF1612A	1.65 x 1.15 x 1.05	0.047 – 10	40 – 1700	270 – 1500	-55 to +125
CWF2012A	2.4 x 1.6 x 1.4	0.47 – 33	15 – 720	145 – 750	-55 to +125

Please visit the Bourns website at bourns.com for additional product details and contact [Bourns Customer Service/Inside Sales](#) if you have any questions.

Features

- Miniature size
- High self-resonant frequency
- High current
- Low DCR
- AEC-Q200 compliant
- RoHS compliant* and halogen free**
-  **AUTOMOTIVE GRADE**

Applications

- Automotive systems
- Noise filters
- DC power lines

Additional Information


[DATA SHEET](#)

[DATA SHEET](#)

[DATA SHEET](#)

[PRODUCT SELECTOR](#)

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[SAMPLES](#)

[CONTACT](#)

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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