



Bourns Releases New Air Coil Inductors

AC1060R, AC2213R, AC3630R, AC4013R and AC6830R Series

Riverside, California – April 4, 2025 – Bourns Magnetics Product Line is introducing the new [AC1060R](#), [AC2213R](#), [AC3630R](#), [AC4013R](#), and [AC6830R](#) Series Air Coil Inductors. These Air Coil Inductors feature tight tolerances and the epoxy covers for mechanical stability make them suitable for pick-and-place processes for surface mount designs.

The AC1060R, AC2213R, AC3630R, AC4013R, and AC6830R Series have an operating temperature range of -25 °C to +125 °C and are well-suited for use in high frequency television and radio receivers, radio transmitters, RF amplifiers and tuning applications.

Characteristics:

| Series | Size (mm) | Inductance (nH) | Q | DCR (mΩ) | Rated Current (A) | Operating Temperature (°C) |
|---------|--------------------|-----------------|-----------|-----------|-------------------|----------------------------|
| AC1060R | 10.55 x 6.35 x 5.9 | 90 – 538 | 87 – 95 | 15 – 90 | 2 – 3.5 | -25 to +125 |
| AC2213R | 2.21 x 1.42 x 1.37 | 1.65 – 5.45 | 100 | 4 – 8 | 1.6 | -25 to +125 |
| AC3630R | 3.68 x 3.05 x 3.18 | 2.5 – 18.5 | 132 – 145 | 1.1 – 3.9 | 4 | -25 to +125 |
| AC4013R | 4.04 x 1.42 x 1.37 | 5.6 – 12.55 | 100 | 9 – 14 | 1.6 | -25 to +125 |
| AC6830R | 6.86 x 3.05 x 3.18 | 17.5 – 43 | 100 – 112 | 4.5 – 7.9 | 4 | -25 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

- High Q value – self-resonant frequency
- Tight tolerance
- Epoxy cover for mechanical stability and pick & place processes
- Surface mount
- RoHS compliant*

Applications

- High frequency television and radio receivers
- Radio transmitters
- RF amplifiers
- Tuning applications

Additional Information



[DATA SHEETS](#)



[PRODUCT SELECTOR](#)



[TECHNICAL LIBRARY](#)



[INVENTORY](#)



[SAMPLES](#)



[CONTACT](#)

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

IC24032