



Bourns Releases New AEC-Q200 Compliant, Automotive Grade Thin Film Precision Chip Resistors

Model CRT-A Series

Riverside, California – August 22, 2024 – Bourns is pleased to announce the release of the [Model CRT-A Series](#) AEC-Q200 Compliant, Automotive Grade Thin Film Precision Chip Resistors.

The Model CRT-A Series is available in 0402, 0603, 0805 and 1206 sizes, supporting lower tolerances from $\pm 0.1\%$ to $\pm 1\%$, with a wide TCR range from ± 50 PPM/ $^{\circ}$ C to ± 10 PPM/ $^{\circ}$ C.

This series is suitable for applications requiring a small package size with accurate resistance values, TCRs and resistance tolerances, such as mobile phones, SD cards, DDR memory modules, and automotive dash cameras, radios, etc.

The resistance range from $10\ \Omega$ to $1\text{M}\ \Omega$ and TCR down to ± 10 PPM/ $^{\circ}$ C is equivalent to the supported resistance range of existing Bourns[®] thick film resistors, but the Model CRT-A Series provides higher resistance tolerance accuracy compared to thick film resistors. The Model CRT-A Series is a thin film automotive grade chip resistor delivering enhanced signal quality in an SMD package – an upgraded version of the CRT Series which can be designed into automotive applications.

Visit the Bourns Resistors Technical Library for application notes, white papers and other resistor technical documents: www.bourns.com/resources/technical-library/library-documents/resistors-technical-library. For further details on these exciting new models, please contact [Customer Service / Inside Sales](#).

Features

- Tight tolerance
- Wide resistance range
- Four package sizes available
- Sulfur-resistant
- RoHS compliant*
- AEC-Q200 compliant
- AUTOMOTIVE GRADE

Applications

- Automotive
- Precision circuits
- DDR memory modules
- SD cards
- Automation equipment
- Navigation equipment

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