



## Bourns Fixed Resistor Product Line Announces New Sulfur-Resistant, Ultra-High Power AEC-Q200 Compliant Chip Resistor Series

### *Model CHP-A Series*

Riverside, California – April 30, 2020 – Bourns is pleased to announce the introduction of its new sulfur-resistant, AEC-Q200 compliant ultra-high power thick film chip resistors. This new surface mount series helps strengthen the already broad range of surface mount chip resistors being offered by Bourns.

The new [Model CHP-A](#) sulfur-resistant, AEC-Q200 compliant thick film resistor series offers triple rated power in comparison to general purpose resistors. Available in four different footprints from small 0603 (1608 metric) up to 2512 (6431 metric), the model CHP-A series boasts a wide resistance range from 10 ohms and high rated power making it ideal for current sensing and superior pulse load applications. They are suitable for use within consumer electronics, industrial automation, power supplies, LED lighting applications and communication base stations.

These resistors are made using a thick film element printed onto a ceramic substrate and have ultra-high rating power up to 3 watts at 70 °C (2512 size).

This product is tested in accordance with ASTM B809-95 standards and is designed to operate in certain harsh environments exposed to sulfur contamination.

This new family complements the other circuit conditioning components that Bourns offers such as [power inductors](#) and [rectifier diodes](#).

The product data sheet with detailed specifications can be viewed on the Bourns website at [www.bourns.com](http://www.bourns.com). Please view [www.bourns.com/products/fixed-resistors/fixed-resistors-aec-q200-compliant-resistors](http://www.bourns.com/products/fixed-resistors/fixed-resistors-aec-q200-compliant-resistors) for more information on Bourns® AEC-Q200 compliant fixed resistors.

Should you have any questions or need additional information, please contact [Bourns Customer Service/Inside Sales](#).

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## Features

- Thick film technology
- Power rating up to 3 watts @ 70 °C
- High power surge withstanding
- RoHS compliant\*
- Halogen free\*\*
- AEC-Q200 compliant
- Sulfur-resistant design (ASTM-B809)

## Applications

- Power supplies
- Digital meters
- Consumer electronics
- LED lighting
- Industry control boards

\* 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.