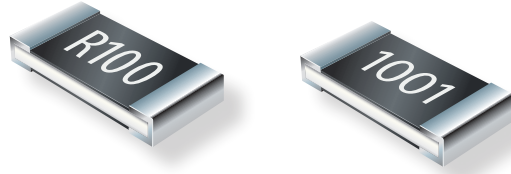


## New Product Release

### CHIP RESISTORS



## Bourns Fixed Resistor Product Line Announces New Sulfur-Resistant, AEC-Q200 Compliant Series of High Power Thick Film Resistors

Riverside, California - November 17, 2017 - Bourns is pleased to announce the introduction of its new sulfur-resistant, AEC-Q200 compliant series of thick film chip resistors. This new surface mount series helps strengthen the already broad range of surface mount chip resistors offered by Bourns.

The new series, [CRMxxxxA](#) and [CRSxxxxA](#), are high power, sulfur-resistant, AEC-Q200 compliant chip resistors available in six different footprints from small, 0603 (1608 Metric) up to 2512 (6431 Metric). The Model CRMxxxxA has a wide resistance range from 0.05 ohms and a high power rating, making it ideal for current sensing. The Model CRSxxxxA has superior pulse load capability.

These new series are suitable for use in applications such as automotive (driver assistant, information, entertainment and lighting applications), industrial, automation, power supplies and communication base stations. They are designed to operate in harsh environments exposed to higher levels of sulfur contamination.

These resistors are made using a thick film element which is printed onto a ceramic substrate and tested in accordance with ASTM B809-9 method. They have a wide resistance range.

This new family complements the other circuit conditioning components offered by Bourns such as [power inductors](#), [rectifier diodes](#) and [Zener diodes](#).

For further details on these exciting new models, please feel free to contact [Customer Service/Inside Sales](#).

#### Features

- Thick film technology
- Power rating up to 2 watts at +70 °C
- High power surge withstanding
- Sulfur-resistant design (ASTM B-809)
- RoHS compliant\* and halogen free\*\*
- AEC-Q200 compliant

#### Applications

- Automotive systems:
  - Driver assistant
  - Infotainment
  - Lighting
- Power supplies
- Stepper motor drives

\* 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.