



NEW PRODUCT RELEASE

CHIP RESISTORS



Bourns Fixed Resistor Product Line Announces New High Power Anti-Surge Thick Film Chip Resistors

Model CMP and CMP-A Series

Riverside, California – May 28, 2020 – Bourns is pleased to announce the introduction of two new high power anti-surge thick film chip resistor series. These new products help strengthen the already broad range of surface mount chip resistors being offered by Bourns.

The new [Model CMP](#) anti-surge thick film resistor series is available in five different footprints from small 0603 (1608 metric) up to 2512 (6431 metric). This new product series has a wide resistance range from 10 ohms to 1 megohm, high rated power up to 1.5 watts and superior pulse load capability.

The CMP series is the enhanced performance version of the Bourns® Model CRM series. This series offers a higher power rating, higher working voltage, and higher pulse power handling compared to the CRM series. The Model CMP series also includes the 0603 footprint for customers with space constraints in their design.

These resistors are made using a thick film element printed onto a ceramic substrate and are suitable for use in consumer electronics, industrial automation, power supplies, LED lighting applications and communication base stations.

The [Model CMP-A](#) series is AEC-Q200 compliant. This series is sulfur-resistant, an attribute increasing in demand for customers using thick film technology products in a challenging environment. Similar to the standard consumer grade CMP series, the Model CMP-A series offers enhanced performance compared to the CRM-A series.

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

The product data sheet with detailed specifications can be viewed on the Bourns website at bourns.com. Please view www.bourns.com/products/fixed-resistors/thick-film-chip-resistors for more information on Bourns® thick film chip resistors.

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

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CMP Series Features

- Thick film technology
- Power rating up to 1.5 watts @ 70 °C
- High power surge withstanding
- RoHS compliant*
- Halogen free**

CMP Series Applications

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

CMP-A Series Features

- Thick film technology
- Power rating up to 1.5 watts @ 70 °C
- High power surge withstanding
- RoHS compliant*
- Halogen free**
- AEC-Q200 compliant

CMP-A Series 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.