

New Product Release

FIXED RESISTORS



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

Model CHP Series

Riverside, California - September 5, 2018 - Bourns is pleased to announce the introduction of its new ultra-high power thick film chip resistor series. This new surface mount series helps strengthen the already broad range of surface mount chip resistors offered by Bourns.

The new Bourns® [Model CHP](#) ultra-high power thick film resistor series offers triple rated power compared to general purpose resistors. It comes in four different footprints from small 0603 (1608 Metric) up to 2512 (6431 Metric). The Model CHP series has a wide resistance range from 0.1 ohms and high rated power, making it ideal for current sensing. It also has a superior pulse load capability. These resistors are suitable for use within consumer electronics, industrial automation, power supply and LED lighting applications, and communication base stations.

These resistors are made using a thick film element printed onto a ceramic substrate. The 2512-size version offers 3 watts of rated power at 70 °C which is higher than most comparable products on the market.

More information on Bourns® Thick Film Chip Resistors is available at:

<https://www.bourns.com/products/fixed-resistors/thick-film-chip-resistors>. This new family complements the other circuit conditioning components that Bourns offers such as [power inductors](#) and [rectifier diodes](#).

For further details on these exciting new models, please contact your nearest [Bourns representative](#) or [Bourns Customer Service/Inside Sales](#).

Features

- Thick film technology
- Power rating up to 3 watts @ 70 °C
- High power surge withstanding
- RoHS compliant*
- Halogen free**

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.