



Bourns Announces New AEC-Q200 Compliant Thick Film Chip Resistors

Model CRxxxxA Series

Riverside, California – April 20, 2020 – Bourns is pleased to announce the introduction of its new AEC-Q200 compliant 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 CRxxxxA AEC-Q200 compliant chip resistor series](#) is available in eight different footprints from small 0201 (0603 metric) up to 2512 (6431 metric) and offers rated power from 0.05 to 1 watt. The Model CRxxxxA Series has a wide resistance range from 1 ohm to 20 megohms and is designed for general purpose applications.

These resistors use a thick film element printed onto a ceramic substrate and complement the other circuit conditioning components that Bourns offers such as power inductors and rectifier diodes.

Series	Resistance Range	Tolerances	Temperature Coefficient	Power
CR0201A	1 ohm to 10 megohms	1 %, 5 %	-200 to +600 ppm / ±100 ppm / ±200 ppm / ±400 ppm	0.05 W
CR0402A	1 ohm to 20 megohms	1 %, 5 %	-200 to +500 ppm / ±100 ppm / ±200 ppm / ±400 ppm	0.063 W
CR0603A	1 ohm to 20 megohms	1 %, 5 %	±100 ppm / ±200 ppm / ±400 ppm	0.1 W
CR0805A	1 ohm to 20 megohms	1 %, 5 %	±100 ppm / ±200 ppm / ±400 ppm	0.125 W
CR1206A	1 ohm to 20 megohms	1 %, 5 %	±100 ppm / ±200 ppm / ±400 ppm	0.25 W
CR1210A	1 ohm to 20 megohms	1 %, 5 %	±100 ppm / ±200 ppm / ±400 ppm	0.33 W
CR2010A	1 ohm to 20 megohms	1 %, 5 %	±100 ppm / ±200 ppm / ±400 ppm	0.5 W
CR2512A	1 ohm to 20 megohms	1 %, 5 %	±100 ppm / ±200 ppm / ±400 ppm	1 W

The product data sheet with detailed specifications can be viewed on the Bourns website at www.bourns.com. Please view 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 [Customer Service/Inside Sales](#).

Features

- Thick film technology
- Power rating up to 1 watt @ 70 °C
- RoHS compliant*
- Halogen free**
- AEC-Q200 compliant

Applications

- General purpose

* 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.