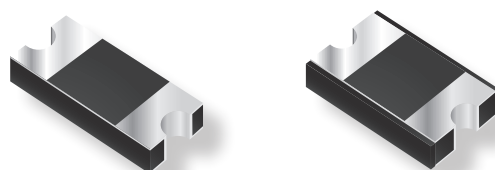


# NEW PRODUCT RELEASE

RECTIFIER CHIP DIODES

**ADVANCE NOTICE**


## Bourns Adds New Rectifier Chip Diode Products

Riverside, CA– TO BE RELEASED FEBRUARY 5, 2020 – Portable electronics, communications, computing and video equipment manufacturers are challenging the semiconductor industry to develop increasingly more power efficient solutions with smaller electronics components. Bourns is pleased to announce the release of six new low profile rectifier diode series for general applications.

The Bourns® Model CD214A-S1x, CD214A-RS1x, CD214A-FS1x and CD214A-R12000R series are available in a compact low profile surface mount package measuring 4.5 mm x 2.2 mm x 0.96 mm, and are intended to be mounted directly onto an FR4 printed circuit board. The devices fit the SMA (DO-214AC) footprint.

The Bourns® Model CD214B-S2x and CD214B-S3x series are available in a compact low profile surface mount package measuring 5.2 mm x 3.6 mm x 1.1 mm, for mounting directly onto an FR4 printed circuit board. The devices fit the SMB (DO-214AA) footprint.

Series	Description	Maximum Repetitive Peak Reverse Voltage, $V_{RRM}$	Maximum Average Forward Rectified Current, $I_{F(AV)}$
CD214A-S1x	High Voltage Rectifiers	200 ~ 1600 V	1 A
CD214A-RS1x	Fast Response Rectifiers	200 ~ 1000 V	1 A
CD214A-FS1x	Fast Response Rectifiers	200 ~ 800 V	1 A
CD214A-R12000R	High Voltage Rectifiers	2000 V	1 A
CD214B-S2x	High Voltage Rectifiers	200 ~ 1000 V	2 A
CD214B-S3x	High Voltage Rectifiers	200 ~ 1000 V	3 A

All models are RoHS compliant\* and halogen free\*\*. Product data sheets with detailed specifications and a cross reference search feature can be viewed on the Bourns website at [www.bourns.com](http://www.bourns.com).

### Features

- RoHS compliant\*
- Low profile
- Low power loss, high efficiency
- UL 94V-0 rated

### Applications

- Switch Mode Power Supplies
- Portable equipment batteries
- High frequency rectification
- DC/DC converters
- Telecommunications

\* 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.

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