



Bourns Introduces New Surface Mount Bridge Rectifier Diode

Model CD-MMBL110S

Riverside, California – October 28, 2021 – Bourns is pleased to announce the release of the [Model CD-MMBL110S](#) Surface Mount Bridge Rectifier Diode designed for converting Alternating Current (AC) to Direct Current (DC) in power applications with space limitations and low profile requirements. The new Model provides many benefits, including a much smaller footprint compared to a conventional gull-wing package, a flat no-leads package construction, superior coplanarity, improved solder joints, and the virtual elimination of short circuit conditions during manufacturing. It is suitable for a Universal Wall Socket with USB plug design.

Part Number	Max. Repetitive Peak Reverse Voltage (V)	Max. Average Forward Current (A)	Peak Forward Surge Current (A)	Package
CD-MMBL110S	1000	1	30*	DFN3538

Available now, the Model CD-MMBL110S Surface Mount Bridge Rectifier Diode is RoHS** compliant and halogen free***. The product data sheet with detailed specifications can be viewed on the Bourns website at www.bourns.com/products/diodes/rectifier-diodes.

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

Features

- 1000 V / 1 A rating
- Tiny DFN3538 package (3.5 x 3.8 mm)
- Low profile (1.15 mm)
- High thermal dissipation
- RoHS compliant** and halogen free***

Applications

- USB wall sockets
- AC/DC power supplies
- Battery chargers
- Medical equipment (low/medium risk)****
- Industrial equipment

* 8.3 ms Single Half Sine-Wave

** 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.

**** Bourns® products have not been designed for and are not intended for use in "lifesaving," "life-critical" or "life-sustaining" applications nor any other applications where failure or malfunction of the Bourns® product may result in personal injury or death. See Legal Disclaimer Notice <http://www.bourns.com/docs/legal/disclaimer.pdf>.