BOURNS®

NEW PRODUCT RELEASE

DIODES

Bourns Introduces an Ultra-Low Capacitance TVS Diode in an 0201 Package for Ultra-High-Speed Interface Protection

Model CD0201-T2.0LC

Riverside, California – May 11, 2022 – Bourns, Inc., a leading manufacturer and supplier of electronic components, is pleased to introduce the Model CD0201-T2.0LC Ultra-low Capacitance TVS Diode. This tiny TVS Diode is designed to provide effective ESD protection in ultra-high-speed communication port and sensitive transceiver applications. The Bourns® Model CD0201-T2.0LC TVS Diode features an 0201 package (0.6 mm x 0.3 mm x 0.3 mm), which meets the critical requirement for ultra-high-speed ports such as USB4®, Thunderbolt™ and 10 GbE interface protection designs with an ultra-low capacitance of only 0.18 pF.

The Model CD0201-T2.0LC TVS Diode is a bidirectional protection solution which fits the standard 0201 footprint minimizing PCB layout space, and is a good choice for IoT device protection with outstanding protection performance.

Available now, the Bourns® Model CD0201-T2.0LC surface mount TVS Diode is RoHS compliant* and halogen free**. The product data sheet with detailed specifications can be viewed on the Bourns website at bourns. com/products/diodes/tvs-diodes.

Features

- Bidirectional 2 volt TVS diode
- Low capacitance - <0.2 pF
- High ESD protection
- Fits 0201 footprint
- RoHS compliant*
- Halogen free**

Applications

- 2.5G/5G/10GbE
- Thunderbolt™
- USB4® / USB 3.1 / USB 3.0
- DisplayPort™

If you have questions or need additional information, please feel free to contact Bourns Customer Service / Inside Sales.

* *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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