



NEW PRODUCT RELEASE

TBU® HIGH-SPEED PROTECTORS



Bourns Adds New AEC-Q101 Compliant TBU® High-Speed Protectors to Product Portfolio

Model TBU-CA-Q Series

Riverside, California – October 7, 2020 – Bourns is pleased to announce the release of the AEC-Q101 compliant* [Model TBU-CA-Q High-Speed Protector](#) series. These products are low capacitance single bidirectional high-speed protection components, constructed using MOSFET semiconductor technology, and designed to protect against faults caused by short circuits, AC power cross, induction and lightning surges.

Series	TBU-CA025-050-WH-Q	TBU-CA065-100-WH-Q	TBU-CA065-300-WH-Q	TBU-CA085-500-WH-Q
Description	Single Bidirectional			
Max. Impulse Voltage (V)	250	650	650	850
Max. RMS Voltage (V)	100	300	300	425
Trigger Current Levels (mA)	50	100	300	500
Footprint (mm)	6.5 x 4.0			




The TBU® High-Speed Protector placed in the system circuit will monitor the current with the MOSFET detection circuit triggering to provide an effective barrier behind which sensitive electronics are not exposed to large voltages or currents during surge events up to rated limits. The TBU® device is provided in a surface mount DFN package and meets industry-standard requirements such as RoHS compliant** and Pb Free solder reflow profiles.

A list of features and applications are included on the following page. The product data sheet with detailed specifications can be viewed on the Bourns website at www.bourns.com. Please visit [www.bourns.com/products/circuit-protection/tbu-high-speed-protectors-\(hsp\)-aec-q101-compliant](http://www.bourns.com/products/circuit-protection/tbu-high-speed-protectors-(hsp)-aec-q101-compliant) for more information on AEC-Q101 compliant TBU® High-Speed Protectors.

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

**Q" part number suffix for automotive and other applications requiring appropriate AEC-Q101 compliance.

Features

- Superior circuit protection
- Overcurrent and overvoltage protection
- Blocks surges up to rated limits
- High-speed performance
- Small SMT package
- Agency listing:   
- AEC-Q101* and RoHS** compliant



Applications

- Voice / VDSL cards
- Protection modules and dongles
- Process control equipment
- Test and measurement equipment
- General electronics

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** RoHS Directive 2015/863, Mar 31, 2015 and Annex.

"TBU" is a registered trademark of Bourns, Inc. in the United States and other countries.