

Featured Products Bulletin

TBU™ HIGH SPEED PROTECTORS



Bourns Adds TBU-CX Series to the TBU™ Product Portfolio


Riverside, California - September 9, 2010 - Bourns is pleased to announce the release of the Bourns® TBU-CX Series of TBU™ high speed protectors. These products are low capacitance, single programmable, 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 up to rated limits. The device can operate a programmable trigger current using an external resistor between 0 and 50 ohms.

Series	TBU-CX025	TBU-CX040	TBU-CX050	TBU-CX065	TBU-CX085
Description	Single Programmable Bidirectional				
Max. Impulse Voltage (V)	250	400	500	650	850
Max. RMS Voltage (V)	100	200	250	300	425
Trigger Current Levels (mA)	500 mA @ R _{ext} = 0 ohm				
Footprint (mm)	8.25 x 4.0				

The TBU™ high speed protector when 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. The TBU™ device is provided in a surface mount DFN package and meets industry standard requirements such as RoHS* and Pb Free solder reflow profiles.

The product data sheet with detailed specifications can be viewed on the Bourns website at www.bourns.com.

Features

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

Applications

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

*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex.
 Specifications are subject to change without notice.
 Customers should verify actual device performance in their specific applications.