

## Featured Products Bulletin

### TRANSIENT BLOCKING UNITS

## Bourns Adds TBU-PL Series to the TBU™ Product Portfolio




Riverside, California - June 16, 2010 - Bourns is pleased to announce the release of the **TBU-PL Series** to its TBU™ product portfolio. These products are low capacitance dual 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. In addition to overcurrent protection, an added feature is the voltage monitoring on the two lines. If the voltage on the line drops below  $V_{SS}$ , then the voltage will trigger the device to switch to the blocking state.

Series	TBU-PL050-xxx-WH	TBU-PL060-xxx-WH	TBU-PL085-xxx-WH
<b>Description</b>	Dual Bidirectional 50 Ohm Line	Dual Bidirectional 50 Ohm Line	Dual Bidirectional 50 Ohm Line
<b>Max. Impulse Voltage</b>	500 V	600 V	850 V
<b>Max. RMS Voltage</b>	300 V	350 V	425 V
<b>Trigger Current Levels</b>	100 mA, 200 mA	100 mA, 200 mA	100 mA, 200 mA
<b>Footprint (mm)</b>	6.5 x 4.0	6.5 x 4.0	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. The TBU™ device is provided in a surface mount DFN package and meets industry standard requirements such as RoHS\* and lead free solder reflow profiles.

The product data sheet with detailed specifications can be viewed on the Bourns website at [www.bourns.com](http://www.bourns.com).

#### Features

- Superior circuit protection
- Overcurrent & overvoltage protection
- Blocks surges
- High speed performance
- Small SMT package
- RoHS compliant\*
- Agency recognition: 

#### Applications

- SLIC protection
- Cable & DSL
- MDU/MTU modems
- ONT
- Voice/DSL line cards