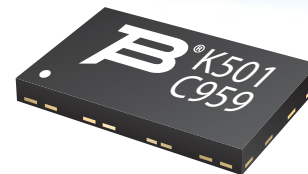


## Featured Products Bulletin

TBU™ HIGH SPEED PROTECTORS



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


Riverside, California - September 10, 2010 - Bourns is pleased to announce the release of the Bourns® TBU-PK Series of TBU™ high speed protectors. 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 up to rated limits. 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 off.

Series	TBU-PK050-100-WH	TBU-PK060-100-WH	TBU-PK085-100-WH
Description	Dual Bidirectional 80 Ohm Line		
Max. Impulse Voltage (V)	500	600	850
Max. RMS Voltage (V)	300	350	425
Trigger Current Levels (mA)	100		
Footprint (mm)	6.5 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](http://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

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