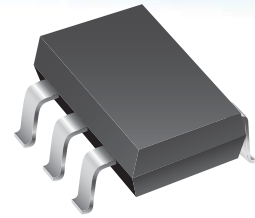




# Featured Products Bulletin

## THYRISTOR SURGE PROTECTORS

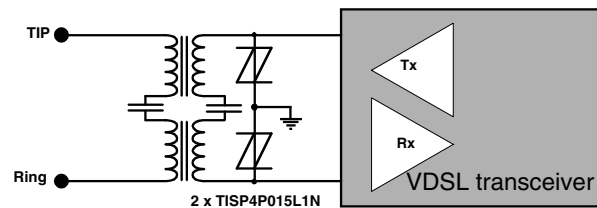
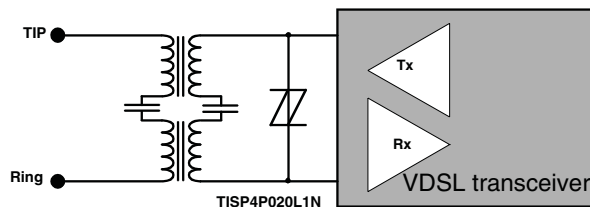


### Bourns Expands Product Line to Improve VDSL2 Protection

#### *TISP4P015L1N, TISP4P020L1N, TISP4P025L1N and TISP4P035L1N*

Riverside, California - February 4, 2010 - Bourns® Circuit Protection Product Group announces a new ultra-low capacitance addition to their current portfolio of overvoltage protection products for ADSL, ADSL2, ADSL2+, VDSL, and VDSL2 applications. To accommodate faster data rates, protection must be designed to keep up. Faster data rates mean systems which are even more sensitive to distortion caused by the insertion of components such as overvoltage and overcurrent protectors. In 2008, Bourns launched the TISP4C0xxL1N range; now the **TISP4P0xxL1N** range is available to give improved data rates due to a new lower capacitance process. The TISP4P0xxL1N range is pin-for-pin compatible and has the same protection specifications, but at a significantly lower capacitance than the TISP4C0xx range. The new TISP4P0xxL1N range is designed to protect VDSL2 line drivers from overvoltages caused by lightning and AC line disturbances.

Typical application diagrams are shown below:



#### Features

- Ultra-low capacitance - as low as 3.5 pF
- High 30 Amp 8/20 surge capability
- Voltage options chosen to match line driver capability
- Low let-through voltage to protect transceiver output stage
- MSL1, RoHS\*, Green SOT23-5 5-pin package

#### Applications

- Designed for ADSL, ADSL2, ADSL2+, VDSL and VDSL2 designs
- Can be used for T1/E1 line driver protection
- ADSL/VDSL router, DSLAM, IVD cards
- Can be used in customer premise and central office locations
- Any transformer coupled interface which leaves the building