



# Featured Products Bulletin

## THYRISTOR SURGE PROTECTORS



### **Bourns Offers Improved Modem Protection with the TISP4310T3BJR-S**

Riverside, California - September 2, 2008 - In 2008 it is anticipated over 100 M modems will be shipped worldwide. Historically, to protect a modem the TISP4350T3BJR was all that was needed. This is a well established and copied modem protector which can enable approval for the international market.

A number of European customers have expressed a need for improved protection, meeting the "Enhanced Induction test" from ITU-T K.21. This takes the 600 Volt rms, 600 ohm, 1 amp test from 0.2 seconds duration to 1 second introducing significant extra heating. Our new protector has reduced the protection voltage from 350 Volts to 310 Volts to ensure that the heating effect of the 1 second test does not push the voltage over 350 Volts where the modem could fail.

The narrow protection window of 269 Volts  $V_{DRM}$  to 310 Volts  $V_{(BO)}$  makes this protector unique and is at the limit of what can be achieved by thyristor technology today.

Bourns has been working with LSI (previously Agere) to introduce the new [TISP4310T3BJR-S](#). As LSI moves to reduce the number of modem platforms, this device will be called for on the new worldwide reference designs. The whole modem design is already approved by UL and samples are available to service prototype requests.

For samples and applications assistance, please contact your Bourns FAE.