

Featured Products Bulletin

THYRISTOR SURGE PROTECTORS



Bourns Releases New TISP4S Series Single Bidirectional Thyristor Surge Protectors

Riverside, California - October 3, 2012 - Bourns is pleased to announce the release of the [Model TISP4SxxxxyBJR-S Series Single Bidirectional Thyristor Surge Protectors](#), designed to limit overvoltages on telephone lines. A single Model TISP4S device provides 2-point protection and is typically used for the protection of 2-wire telecommunication equipment (e.g., between the Ring and Tip wires for telephones and modems).

In addition to Bourns' comprehensive portfolio of thyristors, the new family of TISP® products was designed to provide excellent circuit protection for cost-sensitive applications.

The Bourns® Model TISP4SxxxxyBJR-S Overvoltage Protector Series consists of a symmetrical voltage-triggered bidirectional thyristor, provided in a space-saving surface mount SMB package. The model series meets industry standard requirements for RoHS compliancy* and Pb Free solder reflow profiles.

Combinations of devices can be used for multi-point protection (e.g. 3-point protection between Ring, Tip and Ground). The product offering is listed below by protection voltage and surge current rating.

Features

- Space saving design
- SMB (DO-214AA) package
- Meets Pb free solder reflow profiles
- Space saving design
- RoHS compliant*

Applications

- Telecommunications

Device Number	Package Options	Standoff Voltage (V)	Protection Voltage (V)	Holding Current (mA)	Ratings for Lightning Surge Standards - GR-1089-CORE 10/1000 μ s (A)
TISP4S040L1BJR-S	SMB	\pm 25	\pm 40	50	30
TISP4S040M1BJR-S	SMB	\pm 25	\pm 40	50	50
TISP4S077M3BJR-S	SMB	\pm 58	\pm 77	150	50
TISP4S088M3BJR-S	SMB	\pm 65	\pm 88	150	50
TISP4S098M3BJR-S	SMB	\pm 75	\pm 98	150	50
TISP4S160M3BJR-S	SMB	\pm 120	\pm 160	150	50
TISP4S180M3BJR-S	SMB	\pm 140	\pm 180	150	50
TISP4S240M3BJR-S	SMB	\pm 180	\pm 240	150	50
TISP4S260M3BJR-S	SMB	\pm 190	\pm 260	150	50
TISP4S300M3BJR-S	SMB	\pm 220	\pm 300	150	50
TISP4S350M3BJR-S	SMB	\pm 275	\pm 350	150	50
TISP4S350T3BJR-S	SMB	\pm 275	\pm 350	150	80
TISP4S400M3BJR-S	SMB	\pm 300	\pm 400	150	50

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

If you have any questions, please contact our [customer service](#) teams in your region.