



Reliable Electronic Solutions

## Certificate for RoHS Compliant Products

### Package Types: SOT-82

Bourns, Inc. certifies, as of this date, the products listed below ("Products") are designated as conforming to the requirements of the European Union's Restrictions on use of Certain Hazardous Substances in Electrical and Electronic Equipment Directive, 2002/95/EC (commonly called "RoHS").

The information presented is based on Bourns' understanding of the RoHS directive and Bourns' knowledge of the materials that are used in the Products as of the date of disclosure, which, in some cases, is based on information provided by third parties.

### Products:

Lighting Products	Y1112L-S
Dual Unidirectional Overvoltage Protectors	TISP1xxxL-S
Dual Bidirectional Overvoltage Protectors	TISP2xxxL-S


Restricted Substances	RoHS Maximum Concentration Value (ppm)*
Cadmium (Cd)	100
Lead (Pb)	1,000
Mercury (Hg)	1,000
Hexavalent Chromium (Cr <sup>+6</sup> )	1,000
Polybrominated biphenyls (PBB)	1,000
Polybrominated diphenyl ethers (PBDE)	1,000

\* Maximum limit does not apply to applications covered by RoHS exemptions. Maximum Concentration Values are based on homogeneous materials as defined in the RoHS Directive.

Exemptions used (if box is checked):

- 5. Lead in glass of cathode ray tubes, electronic components and fluorescent tubes.
- 6. Lead as an alloying element in steel containing up to 0.35% lead by weight, aluminum containing up to 0.4% lead by weight and as a copper alloy containing up to 4% lead by weight.
- 7. Lead in high melting temperature type alloys (i.e., tin-lead solder alloys containing more than 85% lead).

Signature

  
Steve Sanderson (Product Line Manager)

Date:

22 Sep 2006

General Information: The information provided herein is to the best of Bourns, Inc. knowledge and belief. To the extent that Bourns is relying on information provided by third parties, Bourns makes no warranty as to the accuracy or completeness of such information.