

Featured Products Bulletin

CIRCUIT PROTECTION

New Bourns® Design Kit and PortNote® Solution SLIC Protection 4 kV ITU-T Solution

Riverside, California - June 16, 2014 - Bourns is pleased to announce the release of a new 4 kV ITU-T SLIC Protection **Design Kit** and **PortNote® Solution**. The design kit contains a Bourns® TISP9110MDMR-S high surge programmable thyristor along with a ceramic PTC for best protection of SLIC (Subscriber Line Interface Circuit) under 4 kV 10/700 μ s surge conditions.

PortNote® Solutions are available on Bourns' website at www.bourns.com. In addition to the PortNote® Solution there is a specific Design Kit to accompany the note. Each kit contains sufficient Bourns® components to prototype five boards.

PORTNOTE® SOLUTIONS

SLIC Protection 4 kV ITU-T Solution

Solution Products

- TISP9110MDMR-S
- CMF-RL55-10

Objective
The SLIC Subscriber Line Interface Circuit provides all the BORS/DIT functions such as battery, ringing, and supervision between the codec and telephone handset. This PortNote® solution provides protection recommendations for SLIC interfaces against 4 kV 10/700 μ s surge and power contact threats.

Compliance
ITU-T Tests for K.20, K.21, K.45
• Increased surge withstand to 4 kV 10/700 μ s

Alternate Recommendations
Other PortNote® Solutions:
• Negative Battery Voltage SLIC Protection - ITU-T Solution
• Negative Battery Voltage SLIC Protection - GB 1089-CORE Intra-building Solution
• SLIC Protection - GB 1089-CORE Intra-building Solution

Solution
1 Thyristor TISP9110MDMR-S
1 PTC Resistor CMF-RL55-10

Benefit
This solution provides a 4 kV 10/700 μ s level of protection to dual voltage ringing SLICs.

Design Kit

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For more information, go to www.bourns.com or visit info@bourns.com

Should you have any questions or need additional information, please feel free to contact [Customer Service/Inside Sales](#).

PortNote® Solution	Design Kit	Components Included
SLIC Protection 4 kV ITU-T Solution	PN-DESIGNKIT-47	TISP9110MDMR-S CMF-RL55-10-0