SLIC Protection
ITU-T 4kV Solution, Dual Supply Voltage

Bourns® PortNote® solutions provide protection recommendations for typical port threats.

Solution Products

Objective
The SLIC (Subscriber Line Interface Circuit) provides all the BORSCHT 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 µs surge and power contact threats.

Compliance
ITU-T Basic for K.20, K.21, K.45
• Increased surge withstand level to 10/700 µs, 4 kV without primary protection

Alternate Recommendations
Other PortNote® Solutions:
• SLIC Protection: GR-1089-Core Solution, Dual Supply Voltage
• SLIC Protection: ITU-T Basic Solution, Dual Supply Voltage

Benefit
This solution provides a 4 kV 10/700 µs level of protection in dual voltage ringing SLIC with a smaller PCB space.

Solution Products

Solution
1 Thyristor: TISP9110MDMR-S
2 CPTC Resettable Fuses: CMF-RL55-10-0

The schematic above illustrates the application protection and does not constitute the complete circuit design. Customers should verify actual device performance in their specific applications.

To order samples, click on the “Request Sample” button.

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