

# PORTNOTE SOLUTIONS

## **SLIC Protection**

### **4 kV ITU-T Solution**

#### **Solution Products**



TISP9110MDMR-S



### **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.

#### **Solution**

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

#### **Compliance**

ITU-T Basic for K.20, K.21, K.45

 $\bullet$  Increased surge withstand to 4 kV 10/700  $\mu s$ 

#### **Alternate Recommendations**

*Other PortNote® Solutions:* 

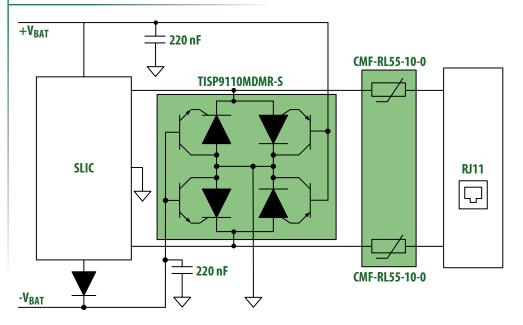
- Negative Battery Voltage SLIC Protection ITU-T Solution
- Negative Battery Voltage SLIC Protection GR-1089-CORE Intra-building Solution
- SLIC Protection GR-1089-CORE Intra-building Solution

#### **Benefit**

This solution provides a 4 kV 10/700  $\mu s$  level of protection in dual voltage ringing SLICs.



PN-DESIGNKIT-47



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.



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Bourns\* PortNote\* solutions provide protection recommendations for typical port threats.

For more information, go to:

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