

## PORTNOTE SOLUTIONS

# **SLIC Protection**

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

### **Solution Products**



TISP9110MDMR-S



CMF-RL55-10-0

## **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

• Increased surge withstand to 4 kV 10/700 μs

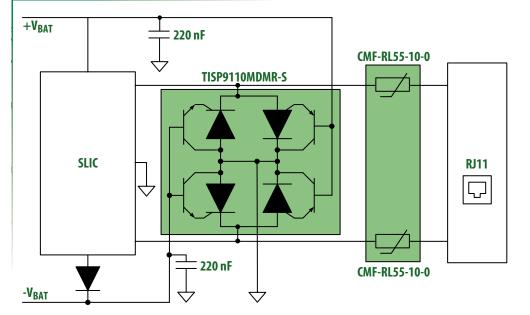
#### **Alternate Recommendations**

*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 µs level of protection in dual voltage ringing SLICs.



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.

## **Design Kit**



PN-DESIGNKIT-47

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**Asia-Pacific:** *Tel* +886-2 256 241 17 Fax +886-2 256 241 16 Bourns® PortNote® solutions provide protection recommendations for typical port threats.

For more information, go to:

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