

# 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<sup>®</sup> solution provides protection recommendations for SLIC interfaces against 4 kV 10/700  $\mu$ s surge and power contact threats.

### Solution

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

### Compliance

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

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

### Alternate Recommendations

*Other PortNote<sup>®</sup> 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

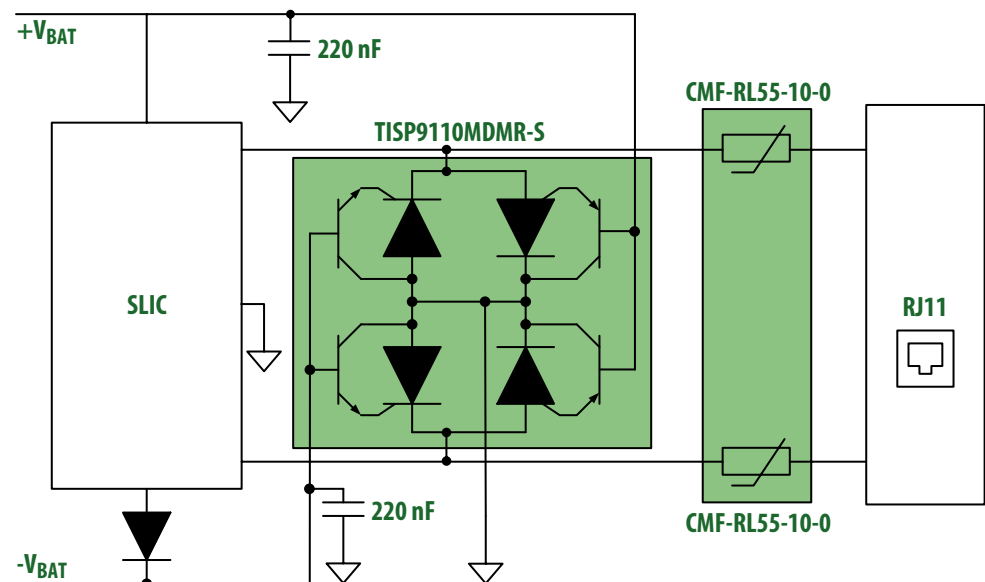
### Benefit

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

### Design Kit



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.*