

## PORTNOTE® SOLUTIONS

# **VDSL Driver Side Protection**

## **Solution Products**



2038-110-SM-RPLF



TISP4P015L1NR-S



**Design Kit** 



PN-DESIGNKIT-36

**Objective** 

VDSL provides fast data transmission, usually over a twisted pair of copper wires. This solution protects these ports against surge and power contact threats.

#### **Solution**

1 GDT: 2038-110-SM-RPLF 1 Thyristor: TISP4P015L1NR-S 1 Diode Bridge: CD143A-SR70

## **Compliance**

ITU-T Basic and Enhanced GR-1089-CORE

## Alternate Recommendations

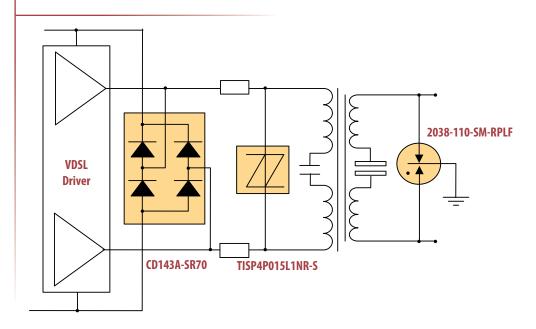
Other PortNote® Solutions:

• VDSL: Line Side Protection

Variations of this circuit are available depending on specific design constraints; contact your local Bourns technical representative for more information.

#### Benefit

This solution provides protection on the driver side without impairing the VDSL 17 MHz signal.



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.

## **BOURNS**®

**Europe:** *Tel* +41-(0)41 768 55 55

*Fax* +41-(0)41 768 55 10

**Americas:** *Tel* +1-951 781-5500

*Fax* +1-951 781-5700

**Asia-Pacific:** *Tel* +886-2 256 241 17 Fax +886-2 256 241 16 recommendations for typical port threats.

Bourns® PortNote® solutions provide protection

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