

## PORTNOTE®

# VDSL2 Line Side Protection ITU-T Solution

#### **Solution Products**



TBU-CA050-500-WH



2031-15T-SM-RPLF

#### **Objective**

VDSL2 provides high-speed data rates of up to 30 MHz over twisted pair copper cable. The solution protects these ports against surge and power contact threats.

#### Solution

1 TBU° High-Speed Protector: TBU-CA050-500-WH 1 GDT: 2031-15T-SM-RPLF

#### **Compliance**

ITU-T Basic K.20, K.21, K.45 ITU-T Enhanced K.20, K.21, K.45 (with properly selected transformer and capacitors)

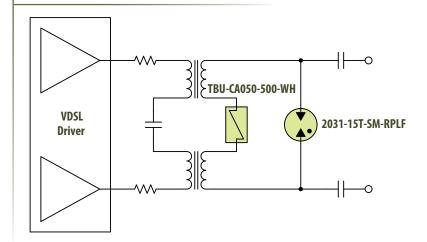
#### **Alternate Recommendations**

Other PortNote® Solutions:

• VDSL Driver Side Protection - ITU-T Solution 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 line (input) side of the circuit without impairing the VDSL 30 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.

#### **Design Kit**



PN-DESIGNKIT-18

### **BOURNS**®

**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

For more information, go to:

www.bourns.com

or email: protection@bourns.com

**Europe:** Tel +41-(0)41 768 55 55 Fax +41-(0)41 768 55 10

COPYRIGHT© 2012 • BOURNS, INC. •  $6/12 \cdot e/CPK1127 \cdot e''$  PortNote' is a registered service mark of Bourns, Inc. "Bourns" and "TBU" are registered trademarks of Bourns, Inc. in the U.S. and other countries.