Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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PortNote® SOLUTIONS

VDSL

Driver Side Protection

Solution Products

2038-110-SM-RPLF

TISP4P015L1NR-S

CD143A-SR70

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

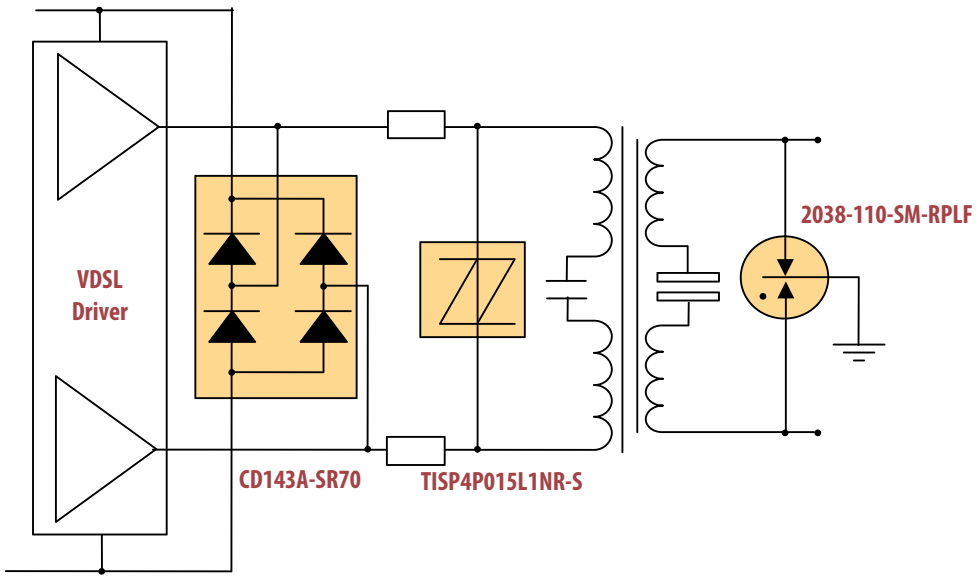
Other PortNote® Solutions:

• 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.

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Bourns® PortNote® solutions provide protection recommendations for typical port threats.

For more information, go to:
www.bourns.com
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