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!

Contact us

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PORTNOTE® SOLUTIONS

HD-SDI / SDI

Coaxial Port

Solution Products

TBU-CA065-100-WH

2031-23T-SM-RPLF

CDSOD323-T05LC

Design Kit

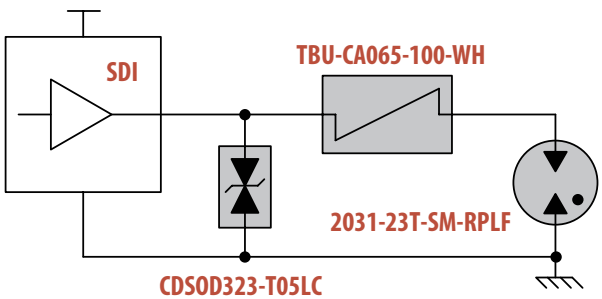
PN-DESIGNKIT-27

Objective

Serial Digital Interface (SDI) refers to a family of video interfaces standardized by SMPTE. High-Definition Serial Digital Interface (HD-SDI) is standardized in SMPTE 292M; this provides a nominal data rate of 1.485 Gbit/s. This solution provides lightning surge protection for these high-speed ports which is often needed in outdoor and high-exposure environments.

Solution

1 TBU® High-Speed Protector:
TBU-CA065-100-WH
1 GDT: 2031-23T-SM-RPLF
1 TVS Diode: CDSOD323-T05LC



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.

Compliance

4 kV IEC 61000-4-5 Lightning Surge
6 kV 10/700 µs Lightning Surge

Benefit

This solution provides lightning protection without impairing the HD-SDI signal up to 1.485 GHz.

BOURNS®

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

For more information, go to:
www.bourns.com
or email: protection@bourns.com