

New Products

Industry's First Certified EMC Compliant RS-485 Interface Design Tool

Toughest design challenge for Industrial Communications Ports is meeting EMC requirements. Combining industry leading Analog Devices RS-485 and Bourns external protection expertise, EVAL-CN0313-SDPZ has been developed.

EVAL-CN0313-SDPZ Features/Benefits:

- Saves time and budget by allowing :
 - testing of the circuits at the beginning of the design cycle
 - use of schematics and layout as a starting point in your design
 - Contains 120-pin daughter connector for use with system development tools
- » To purchase board, download documentation such as circuit notes and technical articles as well as watch a video, click [here](#).
- » Webcast: Safeguarding RS-485 Communication Networks from Harmful EMC Events. [Register now](#).

Isolated Error Amplifiers

ADuM3190/ADuM4190 Features:

- Stable over time and temperature
 - 0.5% initial accuracy
 - 1% accuracy over the full temperature range
 - Reference voltage 1.225V
 - Compatible with DOSA
 - Low power operation: <7mA total
 - Wide supply voltage range
 - VDD1 - 3V to 20V
 - VDD2 - 3V to 20V
 - Wide temperature range
 - -40°C to 125°C ambient operation
 - 150°C maximum junction temperature
 - Isolation voltage
 - ADuM3190: 2.5kV rms
 - ADuM4190: 5kV rms
- » Learn more about the [ADuM3190](#) and the [ADuM4190](#)
- » Evaluate [now](#).

Featured Video

Watch this video to learn "How I²C Isolators Work"

Join us at the Applied Power Electronics Conference!

Technical Paper Presentation:
[Galvanic Isolation for Power Supply Applications](#).

Monday, March 18, 2013

Get answers to your design questions in the Interface and Isolation support community!



Inside iCoupler® Technology:

Waveform Voltage Conventions for iCoupler Digital Isolators

Digital isolators are characterized by several voltage ratings that determine the capability to endure various stress levels and durations. Working voltage, withstand voltage, and surge voltage are all examples of these ratings. It's important to understand how these voltages are defined, with relation to the isolation barrier, to properly determine the suitability for a particular application.

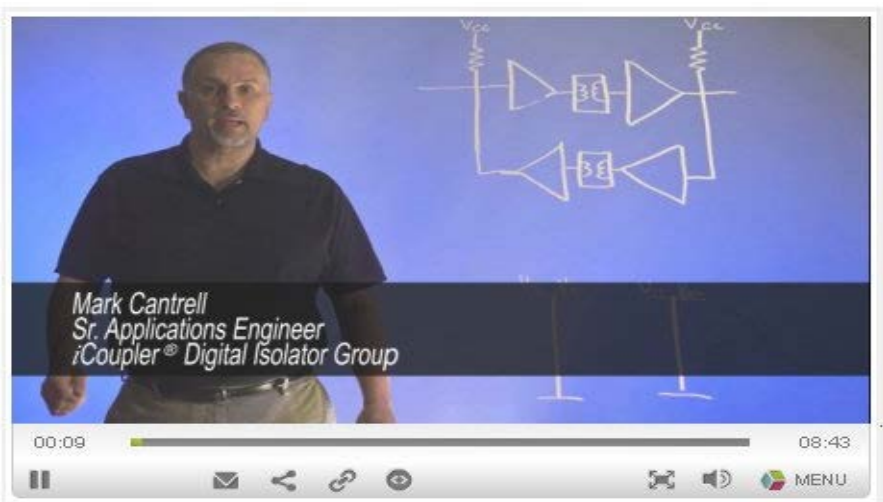
Learn more [here](#).

Nappkin Note

Written expressly for the Interface and Isolation Update - are ideas, hints

and tips for building with interface and iCoupler digital isolator technologies. This issue we present:





"Smart Transmitter Signal Chain"

[Read whole note here.](#)

Check out What Else is New from the Interface and Isolation Teams

Updated! [Digital Isolator Product Selection and Resource Guide](#)

Success Story: [Beijing Choice chooses ADI iCoupler® digital isolators vs. optocouplers for integrated power and signal isolation within its ultracompact patient monitors](#)



[Bidirectional Isolated High-Side Current Sense with 270 V Common-Mode Rejection](#)



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