



Product news and resources from ADI's iCoupler® isolation technology group

New Product

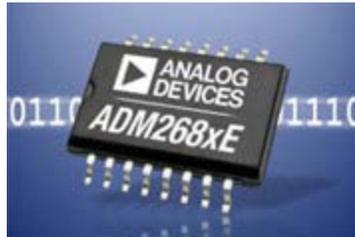
This product is pre-release, with sample information available on the product page.

ADM268xE

Industry's First 5 kVrms Signal and Power Isolated RS-485 Transceivers

The ADM268xE offer:

- 5 kV rms signal and power isolation
- Integrated DC-to-DC converter
- ±15 kV ESD protection
- 8mm creepage and clearance
- ADM2682E data rate: 16Mbps
- ADM2687E data rate: 500kbps

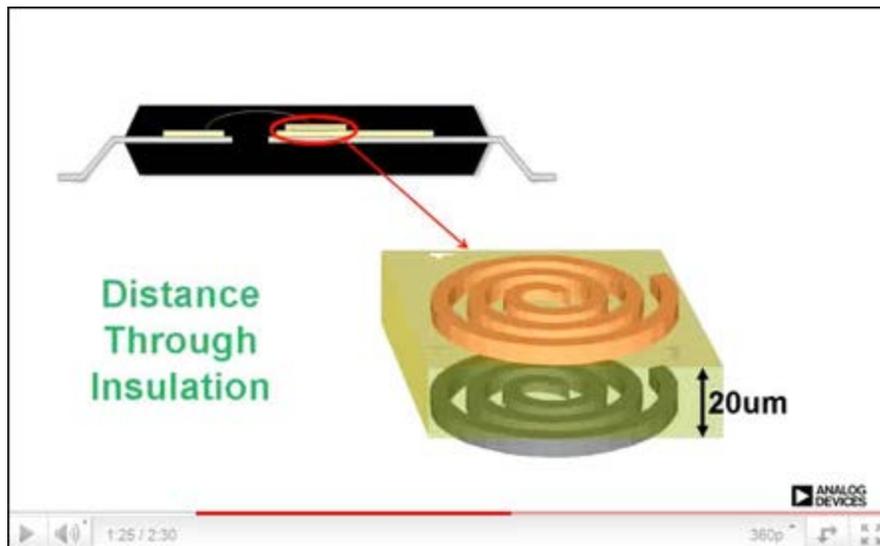


» Learn more about the [ADM2682E \(16Mbps data rate\)](#) and [ADM2687E \(500kbps data rate\)](#).

Featured Video

Insulation Thickness in Reinforced Isolation Devices

Electrical systems often use insulation for proper operation of circuits, protection of operators from electric shock, or enhanced protection when voltages could generate lethal shocks. This video discusses how iCoupler digital isolator devices meet rigorous testing requirements to get approval for reinforced applications where insulation can be a matter of life or death.



USB Isolation Reference Circuits

These circuits are enabled by the industry's only single-chip USB digital isolator, the ADuM3160(2.5kV rms)/ADuM4160 (5kV rms). Based on ADI's iCoupler technology, the ADuM3160/ADuM4160 features:

- D+/D- bidirectional isolation
- USB 2.0 compliance
- Reinforced isolation, up to 5 kV rms isolation rating.

» [View the USB Isolation circuits.](#)

Circuits from the Lab™ reference circuits

What communications protocol do you isolate in your current design? (Check all that apply.)

- RS-485
- CAN
- RS-232
- USB
- SPI
- I²C
- LVDS
- TTL Levels
- CMOS Levels
- Other (Please specify)

Trouble with the survey? Take it online [here](#).

Inside iCoupler Technology

The Relation Between the Comparative Tracking Index and Working Voltage

Improving the Comparative Tracking Index (CTI) allows smaller packages to achieve higher working voltages.

» [Learn more here.](#)

NAppkin Notes –

written expressly for the Digital Isolation Update – are ideas, hints, and tips for building with iCoupler technology. This issue we present: **Power Blanking for Increased Accuracy Using isoPower® Integrated, Isolated Power Devices.**

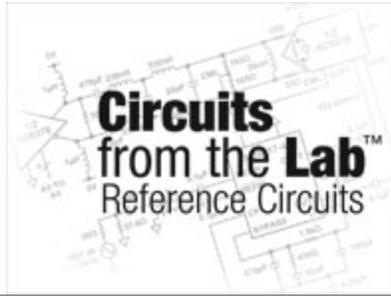


» [Read the whole note here.](#)

ADI at PCIM Europe 2011



are subsystem-level building blocks that have been engineered and tested for quick and easy system integration to help solve today's analog, mixed-signal, and RF design challenges.



» [View the video here.](#)

Did You Know?

Siemens Aerospace Safeguards Satellites with Advanced Power Protection Capabilities Enabled by ADI's iCoupler Digital Isolator Technology.



» Read more [here](#).

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