

In This Issue

- [2.5 kV MSOP Isolators](#)
- [Recent Exhibitions](#)
- [Upcoming Exhibitions](#)
- [Halloween Application Corner](#)

Quick Links

- [Sensor Selector Guide](#)
- [Isolator Selector Guide](#)
- [Online Store](#)
- [Contact Us](#)

New Products

- [2.5 kV MSOP Isolators](#)
(see story at right)
- [IL711VE 5 kV Isolation Two-channel Isolators](#)
- [QSOP Isolators](#)

Document Updates

- [IL41050TA Isolated CAN Transceiver Datasheet Rev. J](#)
(QSOP version added)
- [IL3085 Isolated RS-485 Transceiver Datasheet Datasheet Rev. F](#)
(added QSOP version)
- IL200/IL700 Isolator Datasheets
(added wide-body V-Series versions with best-in-class 1 kV Working Voltage and V-1 series MSOPs with 2.5 kV isolation):
 - [IL260/IL261/IL262 Rev. S](#)
 - [IL710 Rev. AD](#)
 - [IL711/IL712/IL721 Rev. AG](#)
 - [IL715/IL716/IL717 Rev. AA](#)


NVE Continues to Grow

Revenue increased 13% in NVE's most recent quarter.

It was the company's second consecutive quarter of double-digit growth.

[NVE Earnings Reports >](#)

Spin Back

 Daylight Saving Time ends Sunday, November 2. "Spin" your clocks back an hour.

Holidays

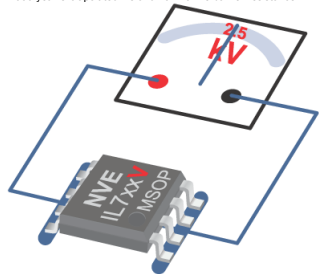
 NVE will be **closed** Thursday and Friday, November 27 and 28 for the Thanksgiving holiday.

We will be **open** on Veterans' Day (November 11).

 **2.5 kV MSOP Isolators**

Unique IsoLoop® IL700-1 Series MSOP Isolators, the world's smallest isolators, are now available in "V-1" versions that carry a full 2.5 kVrms isolation ratings.

The revolutionary IsoLoop ceramic/polymer composite barrier allows such remarkable performance in a tiny package, along with 44000 year extrapolated life and 10¹⁴ ohms barrier resistance.



The "V" suffix means enhanced high-voltage performance, and V-1 MSOP Isolators are 100% tested to withstand 3 kVrms—remarkable for such a small part.

MSOP V-Series specification highlights are:

- Two-channels
- 110 Mbps
- 2.5 kVrms isolation (1 minute) per UL 1577
- 600 Working Voltage (line voltage) per VDE 0884-10
- >10¹⁴ ohm barrier resistance
- -40°C to +100°C operating temperature
- 3 mm creepage

Unidirectional [IL711V-1E](#) parts are [in stock](#) for immediate delivery, and the bidirectional [IL712V-1E](#) available next quarter.

The original MSOP versions with 1 kV isolation will continue to be available for applications not requiring safety isolation.

[Product Datasheets >](#)

ISO 9001



Recent Exhibitions



NVE products were on display at *Electronist* in Istanbul, Turkey, recently in cooperation with our Turkish distributor IS-Power. The exhibition focussed on electronic components, power supplies and

embedded systems.

Upcoming Exhibitions



electronica 2014 See NVE products at the *electronica* fair, November 11 to 14 in Munich, Germany in cooperation with distributor IS-LINE. *electronica* is billed as the world's leading trade fair for electronic components, systems and applications.

Halloween Application Corner



RS-485 Doesn't Have to Be Scary

Noise, ground loops, and isolation are right up there with bats, spiders, ghosts, and goblins as things we'd rather not deal with.

So NVE takes the fright out of RS-485 with a full line of [single-chip isolated RS-485 network transceivers](#).

Here are some tips to keep your RS-485 design from becoming a nightmare:

- Isolate the bus from the controller
- Keep stubs short
- Use twisted-pair cable
- Shielding for long or fast busses
- Ground one end of the shield
- Terminate bus ends
- Bias for fail-safe



[RS-485 Reference Designs >](#)

[RS-485 Evaluation Boards >](#)

[RS-485 Tips technical video \(04:03\) >](#)

Buy Online
\$9.95 shipping