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Website Update

NVE's popular [Website](#) has been updated for faster part identification and easier application navigation.

Holiday Fun Fact



An average size Christmas stocking could hold more than one million of NVE's unique 1.1 millimeter square ULLGA magnetic sensors (a great gift for the engineer who has everything).

Holiday Music



The Muppets' "12 Days of Christmas" is playing on our voicemail background music.

Except for holidays, our music follows an NVE theme.

Holidays



NVE will be closed for business

Monday, December 26 and Monday, January 2, 2012.

We wish our readers the best this holiday season, and a successful 2012.

NVE Expanding

NVE recently broke ground on a major production expansion at its Eden Prairie, Minn. headquarters. The expansion will add another cleanroom bay and more test capacity to significantly increase the company's production capacity.

Portions of the new bay will be in production by early 2012.

The expansion will allow NVE to meet increasing demand for its award-winning products.



[<NVE Historical Highlights>](#)

Improved Isolators

NVE has released even better versions of its award-winning IsoLoop® Isolators.

The parts have an improved manufacturing process and are tested to more stringent specifications. IsoLoop isolators continue their industry leading performance for key parameters including channel density, pulse-width distortion, and indefinite barrier life.

IsoLoop®
The Opto Alternative

Datasheets are unchanged, but the new parts are much more robust at extremes of high temperature, low power supplies, and speed.

The improved parts have been phased in over the past months.

Buy Online
\$9.95 shipping

Holiday Videos

Tired of *It's a Wonderful Life* and *Miracle on 34th Street*?

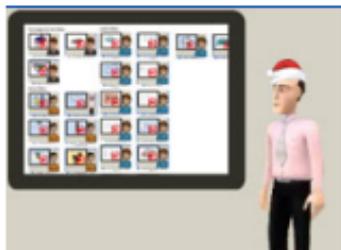
Why not have an NVE video festival for this year's holidays.

The two dozen acclaimed videos are funny, crisp, and informative.

Readers have even suggested drinking games.

Drink every time*:

- The Geek uses "air quotes."
- Someone says they hate optos.
- Someone mispronounces a technical term.
- There's a really bad pun.



[<NVE Videos>](#)

[<Actors' Bios>](#)

*Please drink responsibly. Don't drink in excess when designing circuits. We see the results. Not pretty.

Isolator Holiday Shopping Guide

With over 100 models, there's certain to be an IsoLoop Isolator for your application. The NVE Holiday Shopping Guide helps you choose the right one:

IsoLoop®
The Opto Alternative

Requirement	Feature	Part Numbers
High data rate	High bandwidth GMR	IL7xx, L2xx
Smallest packages	MSOP8 or narrow-body SOIC16	All
Analog or differential inputs	Passive (coil) input	IL6xx
Low PWD, 50 ps jitter	High slew rate electronics	IL7xx, L2xx
Low EMC footprint	Data-driven transfer function	IL7xx, IL2xx, IL5xx
Low quiescent power	Pulsed magnetic field	IL7xx, L2xx, IL5xx
Low dynamic power	Edge-sensitive switching	IL6xx
Excellent transient immunity	Low capacitance	All
Known initial output	Internal refresh or passive input	IL5xx (Internal refresh); IL6xx (passive input)
Wired-OR outputs	Open-drain outputs	IL6xxA ("A" types)
Optocoupler emulation	Passive input	IL6xx
Isolated transceiver	Single-chip isolated RS-422, RS-485, PROFIBUS, or CAN	IL3xx; IL4xx
Cost sensitive	Lower-speed interface	IL5xx

[<Selection Details \(Application Bulletin No. 16\)>](#)

[<Isolator Selector Guide>](#)

Holiday Stocking Stuffers

Sweaters and ties? Seriously?

Return those unwanted gifts and get what you really want—an [NVE Sensor Evaluation Kit](#) with everything you need to prototype a GMR sensor system, including various sensors, magnets, and circuit boards. [Several kits](#) are available, and all are under \$100.



Buy Online
\$9.95 shipping