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In the News

[NVE Launches Breakthrough Line of High-Resolution TMR Rotational-Linear Sensor Magnetics Business and Technology](#), November 17, 2020.

Holidays

NVE will be closed Thursday and Friday, December 24 - 25 and Friday, January 1.

Product support is available 365 days a year at:

sensor-apps@nve.com

or

iso-apps@nve.com

NEW Isolator CMTI

Upgraded to 100 kV/μs

With recent process improvements, NVE's flagship **IL700-Series** Isolators now have a best-in-class Common-Mode Transient Immunity (CMTI) minimum specification of 100 kV/μs.

An Important Specification

CMTI is an important specification for isolators operating in noisy environments. It is particularly important in floating supply applications such as power-control, where the change in the common-mode power supply voltage can exceed the isolator's CMTI and cause spurious switching.

Key Features

Their high CMTI makes NVE Isolators ideal for power control applications, and other features make them the best isolators in the industry:

- 100 kV/μs min.; 100 kV/μs typ. CMTI
- High speed: 110 Mbps
- Up to 125 °C ("T" and "V" Series)
- Up to 6 kVRMS Reinforced Isolation ("V" Series)
- Low EMI emissions with no carriers or clocks
- 100 ps pulse jitter
- 44000 year barrier life
- 500 VRMS IS-to-IS intrinsically safe
- MSOP8; QSOP16; 0.15" and 0.3" SOIC

Even Higher CMTI

If you need even higher CMTI, NVE offers **IL600CMTI-Series** passive-input isolators with 200 kV/μs guaranteed CMTI and up to 300 kV/μs with external deglitch circuitry.

In Stock

A full line of IL700-Series isolators are **in stock** with the new specifications for immediate delivery.

Downloads

- [IL710 \(one-channel\) Datasheet »](#)
- [IL711 / IL712 / IL721 \(two-channel\) Datasheet »](#)
- [IL715 / IL716 / IL717 \(four-channel\) Datasheet »](#)
- [CMTI Application Bulletin »](#)



IL710



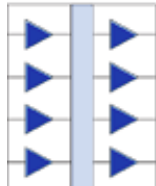
IL711



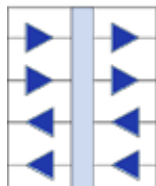
IL712



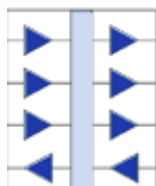
IL721



IL715



IL716



IL717

Buy Online
\$9.95 shipping