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 [Testing V-Series Isolators for Best-in-Class 6 kV RMS Isolation](#)

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Independence Day

 NVE will be closed Monday, July 5 for the Independence Day holiday.

Independence Day holiday.

V-Series Isolators

IL7xxV-Series isolators have a better barrier and best-in-class CMTI specifications, making them ideal for power-control applications.

A Better Barrier

NVE's unique polymer/ceramic composite isolation barrier provides best-in-class 6 kVRMS isolation, 1.2 kVRMS Working Voltage, 44000-year MTBF, and 100 teraohm barrier resistance. The parts are tested to the new IEC60747-17 standard as well as VDE V 0884-11.

Best-in-Class CMTI

IL7xxV-Series isolators have a remarkable 100 kV/ μ s minimum Common-Mode Transient Immunity (CMTI). CMTI is an important specification for isolators operating in noisy environments. It is particularly important in floating supply applications such as power control, where a change in common-mode power supply voltage that exceeds the isolator's CMTI can cause spurious switching.

Key Specifications

- 100 kV/ μ s min.; 150 kV/ μ s typ. CMTI
- 6 kVRMS Reinforced Isolation
- 1.2 kVRMS Working Voltage
- 12.8 kVpk Surge immunity
- High speed: 110 Mbps
- 125 °C operating temperature
- Low EMI emissions with no carriers or clocks
- 44000 year barrier life
- 0.3" SOIC with true 8 mm creepage

Downloads

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

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\$9.95 shipping

Power Control Webinar

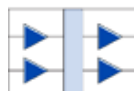
NVE will present at a Webinar at 15:45 CET (9:45 a.m. ET) June 29 hosted by *Angst and Pfister* on the *BeFAST* e-mobility charging platform.

The platform includes [IL7xxV-Series isolators](#). With their best-in-class isolation and CMTI, these isolators are the perfect complement for silicon carbide MOSFETs.

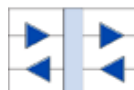
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IL710



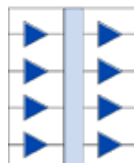
IL711



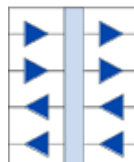
IL712



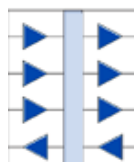
IL721



IL715



IL716



IL717