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Document Updates

[6 kV Isolator Datasheets](#)

[Isolator Catalog](#)

(Updates include 6 kV wide-body Isolators and 2.5 kV MSOPs)

[AB-2: High Voltage Testing Standards Overview](#)

New Sensor Patent

NVE has been granted U.S. patent number 8,773,821, titled "Magnetoresistive-based mixed anisotropy high field sensor."

[Links to NVE patents >](#)

Contract R&D

NVE reported a 457% increase in Contract R&D in the most recent quarter.

[Contact Us](#) if you need to develop a custom sensor. We can do it quickly and cost-effectively.

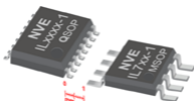
New Videos

[6 kV Isolator Demonstration](#)

[Angle Sensor Demonstration](#)

[GMR Switch Sensor Demonstration](#)

MSOP and QSOP Isolators
The World's Smallest Isolators



A full line of award-winning IsoLoop® Isolators are now available in 8-pin MSOP and 16-pin QSOP packages, making them the world's densest high-performance isolators.

But miniaturization doesn't mean performance compromises.

Best-in-class "Dash-1" Isolator specifications include:

- 2-, 4-, or 5-channels; RS-485 and CAN transceivers
- Up to 150 Mbps
- Up to 125°C
- 44000 year barrier life
- 50 kV/μs transient immunity
- 600 WV per VDE 0884-10
- 2500 V isolation voltage per UL1577

The unique packages meet JEDEC standards, while retaining the largest possible creepage distances. Additionally, low package thermal resistance and low power enable the devices to run at high speed and high temperatures with no derating.

Like all IsoLoop Isolators, isolation is provided by a unique ceramic/polymer composite barrier with a remarkable estimated life of 44000 years.

Here are our most popular MSOP/QSOP isolators:

Part Number	Transmit/Receive Channels	Data Rate (Mbps)	Max. Temp.	Package
IL710V-1	1/0	110	100°C	MSOP8
IL711V-1	2/0	110	100°C	MSOP8
IL712V-1	1/1	110	100°C	MSOP8
IL715-1	4/0	110	100°C	QSOP16
IL716-1	2/2	110	100°C	QSOP16
IL717-1	3/1	110	100°C	QSOP16
IL260-1	5/0	110	85°C	QSOP16
IL261-1	4/1	110	85°C	QSOP16
IL3085-1	RS-485	4	85°C	QSOP16
IL41050TA-1	CAN	1	125°C	QSOP16

All of these are [in stock](#) for immediate delivery.

[Product Datasheets >](#)

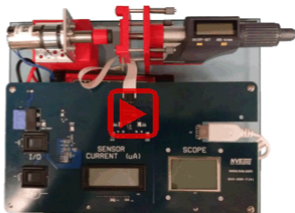
Buy Online
\$9.95 shipping

New Video

Angle Sensing Demonstration

A new video gives a fresh "angle" on the advantages of **AAT-Series** Tunnelling Magnetoresistance (TMR) sensors.

NVE Vice President for Sensors Jay Brown demonstrates the low power, small size, and wide air-gap tolerance of these unique sensors:



[Play in NVE Website](#)

[Play in YouTube](#)