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Independence Day



NVE will be closed Tuesday, July 4 for the Independence Day holiday.



Low-Power Isolated RS-485 Transceiver

With a typical total quiescent current of just 2.4 mA at 5 volts, the new IL2985 draws less than one-third the supply current of our standard products, which are already fairly low power.



Even with the low power, there's no compromise in performance:

- 4 Mbps data rate
- 2500 VRMS isolation voltage
- 44000 year barrier life
- Low EMC footprint
- Thermal shutdown protection

The new device uses NVE's patented low-power spintronic Tunneling Magnetoresistance (TMR) technology. A unique ceramic/polymer composite barrier provides excellent isolation and virtually unlimited barrier life.

There are now eleven members of NVE's best-in-class isolated digital transceiver family:

Part #	Bus	Data Rate	Supply Current*	Isolation Rating	Packages
NEW IL2985	RS-485	4 Mbps	2.4 mA <i>(low power)</i>	2.5 kV	0.3" SOIC-16
IL3022	RS-422	4 Mbps	9 mA	2.5 kV	SOIC-16
IL3085	RS-485	4 Mbps	9 mA	2.5 kV	QSOP-16 0.15" SOIC-16 0.3" SOIC-16
IL3522	RS-422	40 Mbps	9 mA	2.5 kV; 6 kV	0.3" SOIC-16
IL3585	RS-485	40 Mbps	9 mA	2.5 kV; 6 kV	0.15" SOIC-16 0.3" SOIC-16
IL3685	RS-485/ PROFIBUS	40 Mbps	9 mA	2.5 kV; 6 kV	QSOP-16 0.15" SOIC-16 0.3" SOIC-16

*Typical Iq1 + Iq2; Vdd1 = Vdd2 = 5V

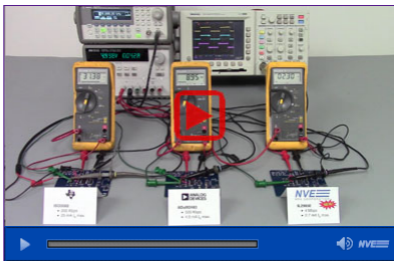
All eleven part types are in stock and available for immediate delivery.

Buy Online
\$9.95 shipping

Lab Results

Low-Power Isolated Transceiver Demonstration

We went into the lab to demonstrate the best-in-class efficiency of the new IL2985 isolated transceiver:



Demonstrating the low-power IL2985 isolated transceiver.

The lab results confirmed that the new NVE part was much faster and lower power than any alternatives.

Recent Exhibition



Sensor+Test is billed as the leading forum for sensors, measuring, and testing technologies worldwide.

NVE had a bumper crop of new sensors since last year's show, including:

- The world's smallest analog sensor—the [AAL004-10E](#).
- The [AAT009-10E](#) ridiculously low-power angle sensor.
- The [AAT006-10E](#) low-field angle sensor.
- The [ADT002-10E](#) rotation quadrant sensor.
- Several new [sensor evaluation kits](#), including [AG040B](#) battery-powered nanowatt sensor demo boards for less than \$20.