

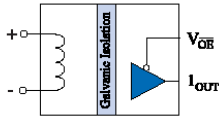
February 27, 2004

Distribution: Distributors Sales Representatives Customers

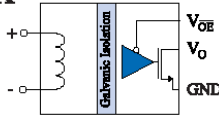
Introducing the IL610 and IL611

Passive Input Digital Isolators

IL610



IL610A



The IL610 and IL611 are the first of a new family of passive input isolators. The failsafe IL61x devices are targeted at the general purpose optocoupler market but have superior performance to optocouplers at a very competitive price. The IL611 are dual channel, unidirectional devices. A single resistor is used to set maximum input current. All IL6xx devices can be configured for inverting or non-inverting operation. The IL610 and IL611 devices are configured with standard CMOS outputs. The IL610A and IL611A devices have an open-drain output which make them ideally suited to wired-OR configurations commonly used in reporting multiple alarm conditions over a single data line (see data sheet for details). The devices are available in the 8 Pin SOIC, PDIP and MSOP packages.

FEATURES

- DC stable
- Data Rate to 20Mbaud
- Wide Input Voltage Range
- 3.3V or 5V Output Side Supply
- -40°C to +85°C operation
- Typical coil drive current is 7 mA.
- Performance does not degrade with temperature.
- PDIP, SOIC, MOSP packages

APPLICATIONS

- General Purpose Optocoupler Replacement
- Gate Drives
- Motor Drive Controls
- Power Supply PWM
- Isolated Actuator
- Differential to single-ended converters
- Industrial Process Control
- Power Line Monitoring
- Instrumentation

PRICING

IL610 or IL610A: \$1.25 in 1K+ quantity.

IL611 or IL611A: \$1.98 in 1K+ quantity.

AVAILABILITY

Samples: May 2004

Production: Q3 2004

ADDITIONAL INFORMATION

Contact your local sales representative or distributor for additional information. Sales contacts are available at www.isoloop.com.

NVE FACTORY CONTACTS

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