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VOH61A 10 MBd High Speed Optocoupler

Combines Analog LED Input and CMOS Digital Output for Mixed-Signal Systems

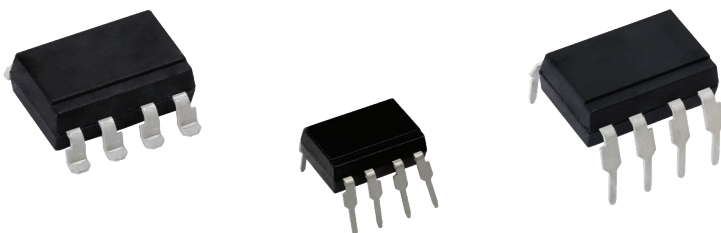


ADVANTAGE

Simplifies designs and lowers costs in industrial applications; offers low 7 ns pulse width distortion and 1 mA detector current.

KEY PRODUCT FEATURES

- ✓ Available in DIP-8, 400 mil DIP-8, and SMD-8 packages
- ✓ Low power CMOS technology with digital output
- ✓ High noise immunity of 50 kV/μs
- ✓ Wide supply voltage range from 2.7 V to 5.5 V
- ✓ High safety and galvanic isolation:
 - Maximum repetitive peak isolation voltage (V_{IORM}) of 891 V
 - Maximum rated withstand isolation voltage of 5300 V



RESOURCES



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MARKETS AND APPLICATIONS



CONNECTIVITY

- Telecom fixed infrastructure



CONSUMER

- Appliances



INDUSTRIAL

- Automation
- Infrastructure

ADDITIONAL BENEFITS

- The optocoupler is pin to pin compatible with existing 10 MBd DIP-8 open-collector devices, making it a direct replacement for new and existing designs
- The digital output eliminates the need for an external pull up or pull down resistor, reducing BOM and saving board space
- Supports safety and electrical noise isolation in digital bus systems like SPI, UART, CAN and others