

Product Overview

6N137: 8-Pin DIP 10 Mbit/s Single-Channel High Speed Logic Gate Output Optocoupler

For complete documentation, see the data sheet.

The 6N137, HCPL2601, HCPL2611 single-channel and HCPL2630, HCPL2631 dual-channel optocouplers consist of a 850 nm AlGaAS LED, optically coupled to a very high speed integrated photo-detector logic gate with a strobable output. This output features an open collector, thereby permitting wired OR outputs. The coupled parameters are guaranteed over the temperature range of -40°C to +85°C. A maximum input signal of 5mA will provide a minimum output sink current of 13mA (fan out of 8). An internal noise shield provides superior common mode rejection of typically 10kV/μs. The HCPL2601 and HCPL2631 has a minimum CMR of 5kV/μs. The HCPL2611 has a minimum CMR of 10kV/μs.

Features

- Very high speed – 10 MBit/s
- Superior CMR – 10 kV/μs
- Double working voltage-480V
- Fan-out of 8 over -40°C to +85°C
- Logic gate output
- Strobable output
- Wired OR-open collector
- U.L. recognized (File # E90700)

Applications

- Energy Generation & Distribution
- Industrial Motor
- Uninterruptible Power Supply

For more information please contact your local sales support at www.onsemi.com.

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