

HCPL2531

8-Pin DIP 1Mbit/s Dual-Channel High Speed Transistor Output Optocoupler

(Not recommend for new design. The new equivalent part number is HCPL253xM)

Product Overview

For complete documentation, see the data sheet.

The HCPL-4502/HCPL-2503, 6N135/6 and HCPL-2530/HCPL-2531 optocouplers consist of an AlGaAs LED optically coupled to a high speed photodetector transistor. A separate connection for the bias of the photodiode improves the speed by several orders of magnitude over conventional phototransistor optocouplers by reducing the base-collector capacitance of the input transistor. An internal noise shield provides superior common mode rejection of 10kV/μs. An improved package allows superior insulation permitting a 480 V working voltage compared to industry standard of 220 V.

Features

- High speed - 1 MBit/s
- Superior CMR - 10 kV/s
- Dual-channel HCPL-2530/HCPL-2531
- Double working voltage - 480 V RMS
- CTR guaranteed 0-70°C
- UL recognized (File #E90700)

Applications

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