Systems Integration

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4 Pin Com System

- Transceivers
Sonar Edge Detection
Rotary Encoder

Description
The HEDS-078x series is a high performance, low cost, optical incremental encoder module. When operated in conjunction with either a codewheel or codestrip, the module detects rotary or linear position. The module consists of a lensed LED source and a detector IC enclosed in a small C-shaped plastic package. Due to a highly collimated light source and a unique photodetector array, the module is extremely tolerant to mounting misalignment.

The two channel digital outputs and 5V supply input are accessed through four solder-plated leads located on 2.54 mm (0.1 inch) centers.

The standard HEDS-078x is designed for use with a 11 mm optical radius codewheel, or linear codestrip. Other options are available. Please contact factory for more information.

Features
- Small size
- Multiple mounting options
- Linear and rotary options available
- No signal adjustment required
- Insensitive to radial and axial play
- -40°C to +85°C operating temperature
- Two channel quadrature output
- TTL compatible or 5 V CMOS compatible
- Single 5V supply
- Wave solderable

Package Dimensions
Mounting Option #50 - Standard (Baseplate Mounting)

Contact Factory for Detailed Package Dimensions