POF Transmitter and Receiver

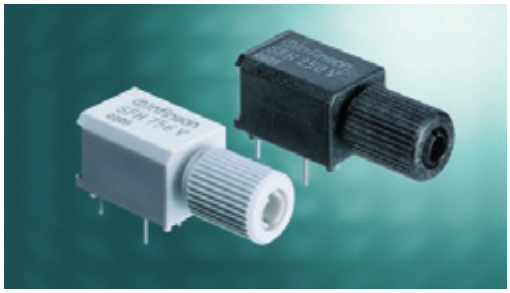
Product Brief

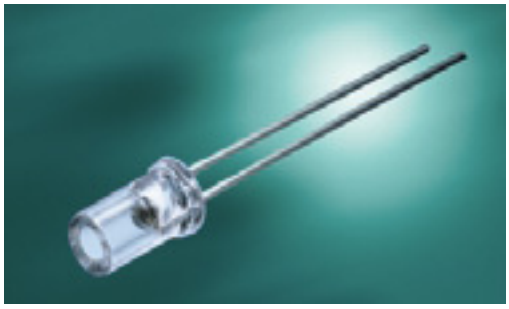
Description

Avago SFH transmitter and receiver for optical data transmission with POF. Available are red LED transmitter and photodiodes, phototransistors and integrated solutions (TTL-compatible) as receiver.

Application and Solution Inputs

- Industrial electronics
- Household electronics
- Power electronics
- Optical networks
- Medical instruments



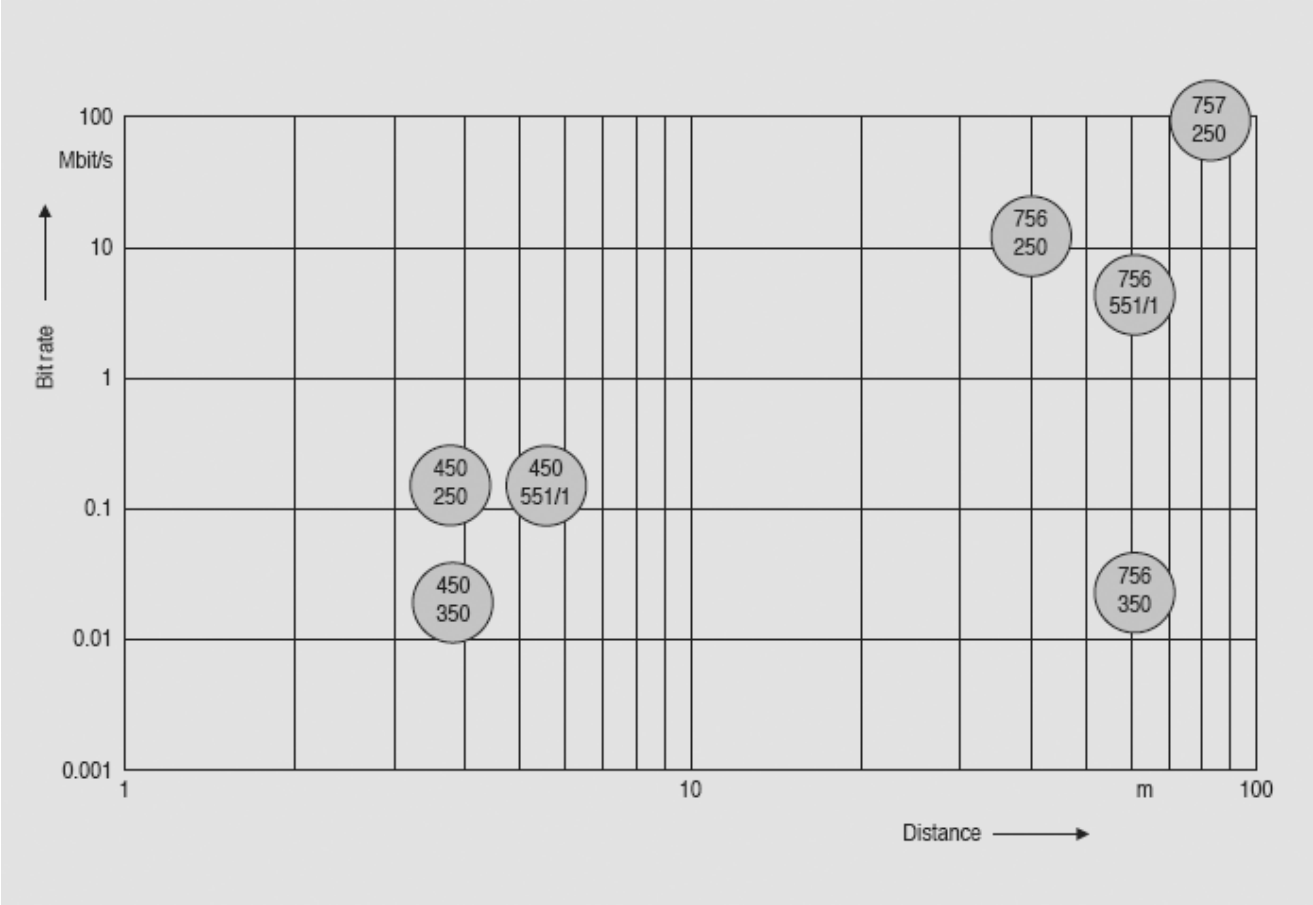


Component without Connector Packaging

Features

- Designed for data rates from 10 kbit/s up to 100 Mbit/s
- Suitable for transmission distances up to 50 m
- Extended temperature range from -40°C to 85°C
- High-reliability 650 nm LED and Si detectors
- Transmitter forward voltage lower than 3 V
- 2 mm aperture holds standard 1000 micron plastic fiber
- Molded microlens for efficient coupling
- Excellent linearity
- Plastic connector packaging (V-version, e.g. SFH 551/1-1V)
  - Mounting screw at the connector to attach the fiber
  - Interference-free transmission from light-tight housing
  - Compact packaging allows flexible positioning
  - No cross talk
  - Auto-insertable and wave-solderable
  - Supplied in tubes

Application fields of SFHxxx components



For product information and a complete list of distributors, please go to our web site: **www.avagotech.com**

Avago, Avago Technologies, and the A logo are trademarks of Avago Technologies, Limited in the United States and other countries.
Data subject to change. Copyright © 2007 Avago Technologies Limited. All rights reserved.
AV01-0748EN - June 25, 2007