

POF Transmitter and Receiver

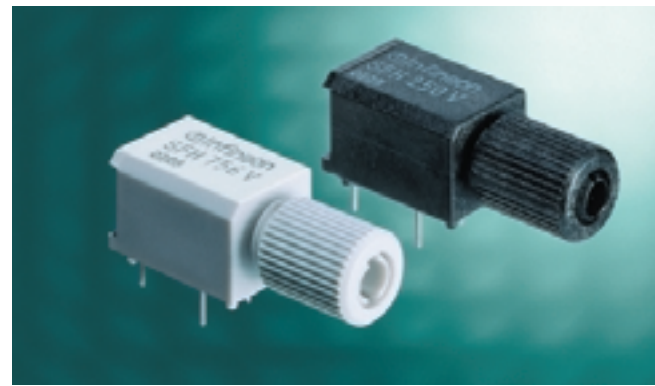
Infineon SFH transmitter and receiver for optical data transmission with POF. Available are red LED transmitter and photodiodes, phototransistors and integrated solutions (TTL-compatible) as receiver.

Major 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 and Solution Inputs

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



Component without Connector Packaging

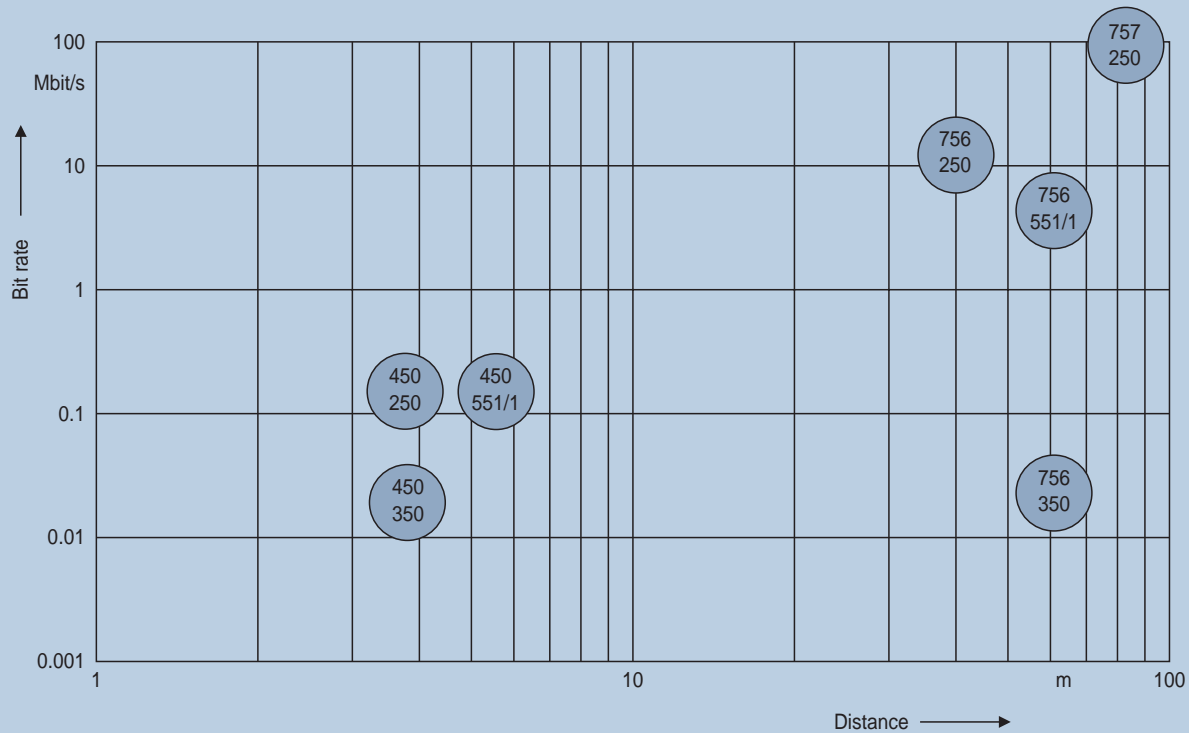


www.infineon.com/fiberoptics



Never stop thinking.

Application fields of SFHxxx components



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Information

For further information on technology, delivery terms and conditions and prices, please contact your nearest Infineon Technologies office in Germany or our Infineon Technologies representatives worldwide (www.infineon.com).

Warnings

Due to technical requirements, components may contain dangerous substances. For information on the types in question please contact your nearest Infineon Technologies office.

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