

SFF BIDI[®] Transceiver 1)

Preliminary Data

The **SFF BIDI[®] Transceiver** is a bi-directional Small Form Factor (SFF) transceiver designed for full-duplex communication over a single fiber.

The SFF BIDI[®] Transceiver consists of a laser with laser driver and a PIN diode with optional pre- and post-amplifier.

The single fiber concept saves overall system costs by eliminating one fiber, allowing for doubling of capacity without installing new fibers, and simplifying fiber management.



Features

- Single fiber solution saving overall system cost
- Suitable for data rates up to 1,25 Gbit/s
- Single mode or Multi mode fiber LC receptacle
- Industry standard 2x5 SFF MSA footprint
- Integrated WDM filter for dual wavelength Tx/Rx operation at 1350-1550/1310-1550 nm
- FP laser diode transmitter with laser driver
- PIN diode receiver with pre- and post-amplifier
- -40 °C to +85 °C operating temperature range
- 3.3 V power supply
- Class 1 laser product

Applications

- Access Network, e.g. media converters for Fiber-In-The-Loop (FITL), Point-to Point (P2P)
- Inter-system communication between Servers, Switches, Routers, Add-Drop-Multiplexers, Cross Connect, etc. in Central Offices, Data Storage Networks, High Speed Server Farms, etc.
- Digital Video and Closed Circuit Television (CCTV) applications for Transport, Traffic and Security

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1) Symbolic picture only