



Specification:

850nm, 550m Over MMF LC Duplex Bi-Directional Transceiver

Description

The BIDI SFP transceivers are high performance, cost effective modules supporting dual data-rate of 1.25Gbps/1.0625Gbps and 550m transmission distance with MMF.

The transceiver consists of three sections: a FP laser transmitter, a PIN photodiode integrated with a trans-impedance preamplifier (TIA) and MCU control unit. All modules satisfy class I laser safety requirements.

The transceivers are compatible with SFP Multi-Source Agreement (MSA) and SFF-8472. For further information, please refer to SFP MSA.

Feature

- ◆ Dual data-rate of 1.25Gbps/1.063Gbps operation
- ◆ 850nm FP laser and PIN photodetector for 550m transmission
- ◆ Compliant with SFP MSA and SFF-8472 with duplex LC receptacle
- ◆ Compatibility: IEEE 802.3z, 1000Base-SX SFP transceiver
- ◆ Support Multimode fiber
- ◆ Supporting Interface LC duplex
- ◆ Digital Diagnostic Monitoring: Internal Calibration or External Calibration
- ◆ Compatible with SONET OC-24-LR-1
- ◆ Compatible with RoHS
- ◆ +3.3V single power supply
- ◆ CE, ISO, FCC & ROHS Certified

Application

- ◆ Gigabit Ethernet
- ◆ Fiber Channel
- ◆ Switch to Switch interface
- ◆ Switched backplane applications
- ◆ Router/Server interface
- ◆ Other optical transmission systems