



Extreme compatible 1.25G, BiDi SFP, TX1490nm / RX1310nm, 20KM Transceiver, LC Connector for SMF with DOM | PlusOptic BISFP-D-20-EXTI

Product Images



Description

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PLUSOPTIC's BISFP-D-20-EXTi Small Form Factor Pluggable (SFP) transceivers are compatible with the Small Form Factor Pluggable Multi-Sourcing Agreement (MSA). The transceiver consists of five sections: the LD driver, the limiting amplifier, the digital diagnostic monitor, the 1310nm FP laser (the 1490nm DFB laser) and the PIN photo-detector. The module data link up to 20KM in 9/125um single mode fiber.

The optical output can be disabled by a TTL logic high-level input of Tx Disable, and the system also can disable the module via I2C. Tx Fault is provided to indicate that degradation of the laser. Loss of signal (LOS) output is provided to indicate the loss of an input optical signal of receiver or the link status with partner. The system can also get the LOS (or Link)/Disable/Fault information via I2C register access.

FEATURES

- Up to 1.25Gb/s data links
- FP laser transmitter for BIDI-SFP-U-20KM-PLU
- DFB laser transmitter for BIDI-SFP-D-20KM-PLU
- PIN photo-detector
- Up to 20KM on 9/125µm SMF
- Hot-pluggable SFP footprint
- BIDI LC/UPC type pluggable optical interface
- Low power dissipation
- Metal enclosure, for lower EMI
- RoHS compliant and lead-free
- Single +3.3V power supply
- Support Digital Diagnostic Monitoring interface
- Compliant with SFF-8472
- Case operating temperature
 - Industrial: -40°C to +85°C

SPECIFICATIONS

- **Transmission Mode:** SMF
- **Max Distance:** 20km
- **Wave Length:** TX.1490nm / RX.1310nm
- **Max Data Rate:** 1.25Gbps
- **Terminations:** LC

APPLICATIONS

- Switch to Switch Interface
- Gigabit Ethernet
- Switched Backplane Applications
- Router/Server Interface
- Other Optical Links

WARRANTY

3-years limited warranty

