

DATASHEET

SFP Transceiver LC-Duplex 1000BASE-LX SM Fiber,1310nm 10KM -40°C/+85°C DDM



General data

The BlueOptics® BO05C13610 SFP transceiver is a high performance, cost effective module supporting a data rate up to 1.25Gbps with 10 Kilometer link length on single mode fiber.

BlueOptics® transceivers are 100% compliant with SFP Multi-Source Agreement (MSA).

All BlueOptics® SFP transceivers can be equipped with digital diagnostic function compliant to MSA SFF-8472. Using digital diagnostic, BlueOptics® SFP Transceivers provide the following real time information:

- Supply voltage
- Laser bias current
- Laser average output power
- Laser received input power
- Temperature

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The transceiver consists of five sections: A FP transmitter, a PIN photodiode, a trans-impedance preamplifier (TIA), the LD Driver and the digital diagnostic function.

Applications

- 1000Base-LX
- Ethernet / Fiber Channel
- Switch to Switch Interface
- Router/Server Interface
- Other optical links

Features

- 1.25Gb/s serial optical interface compliant to 802.3z 1000BASE-LX
- FP laser transmitter
- PIN photo-detector
- Hot-pluggable SFP footprint compliant to SFF-8074i
- Duplex LC/UPC type pluggable optical interface
- 2-wire interface for management
- Metal enclosure, for lower EMI
- RoHS compliant and lead-free
- Single +3.3V power supply
- Compliant with SFF-8472
- Case operating temperature
- Commercial: 0°C to +70°C
- Extended: -10°C to +80°C
- Industrial: -40°C to +85°C

Technical properties

Compatible to	Cisco
Connector	LC Duplex
Construction type	Mini GBIC
Depth	58.4
Gigabit Ethernet	True
Height	8.5 mm
Mode	Singlemode
Protocol	1000BASE-LX
Range	10 km
Speed	1,25 Gbit/s
Temperature	-40 - 85 °C
Wave length	1310 nm

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Width	13.9
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Available variants

ArtNr.	Bezeichnung	Unique
BO05C13610DIN	SFP Transceiver LC-Duplex 1000BASE-LX SM Fiber,1310nm 10KM -40°C/+85°C DDM	Unique

Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

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