

PRODUCT DETAILS

Eoptolink's 100G 30km SFP-DD Optical Transceiver



EOLSD-131HG-O-30-35

Single-Mode, 100G SFP-DD
With LC interface

Product Description

Eoptolink's SFP-DD transceiver module is designed for use in 100 Gigabit Ethernet links over 30km single mode fiber. The module incorporates 1 channel optical signal, on 1311nm center wavelength, operating at 100Gbps data rate. This module has 2 independent electrical input/output channels which can convert 2 channels of 50Gbps (PAM4) electrical input data to 1 channel of 100Gbps (PAM4) optical signal, and also can convert 1 channel of 100Gbps (PAM4) optical signal to 2 channels of 50Gbps (PAM4) electrical output data. The electrical interface of the module is compliant with the 100GAUI-2 and SFP-DD MSA.

Features

- Supports 100Gbps
- 100G Lambda MSA 100G-ER1-30 Specification Compliant
- Single 3.3V Power Supply
- Power Dissipation < 3.5W
- Up to 30km over SMF with FEC
- SFP-DD MSA Compliant
- 2x53.125Gbps (PAM4) electrical interface
- LC duplex connector
- Commercial Case Temperature Range of 0°C to 70°C
- I²C Interface with Integrated Digital Diagnostic Monitoring
- Safety Certification: TUV/UL/FDA *1
- RoHS Compliant

Applications

- 100G Ethernet
- Data center

Ordering Information

| Part No. | Data Rate | Fiber | Distance *2 | Interface | Temp. |
|---------------------|-----------|-------|-------------|-----------|---------|
| EOLSD-131HG-O-30-35 | 100Gbps | SMF | 30km | LC | 0~+70°C |

*1: For the latest certification information, please check with Eoptolink.

*2: Over SMF.

Quality

Eoptolink Technology has passed many quality system verifications, established an internationally standardized quality assurance system and strictly implemented standardized management and control in the course of design, development, production, installation and service. For latest certification/accreditation numbers, please, contact us.



Notice

Eoptolink reserves the right to make changes or discontinue any optical link product or service identified in this publication, without notice, in order to improve design and/or performance. Applications that are described herein for any of the optical link products are for illustrative purposes only. Eoptolink makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.

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