

# fiber options

## OH-TR-51 Fiber SFP Data Sheet

### Data Optical Transceiver

- Data optical transceiver
- Receiver and transmitter in single package
- Data rate 1.25Gbps/1.063Gbps compatible with SONET OC-24-LR-1
- Transmitter wavelength 1310nm (non CWDM)
- Receive wavelengths 1260 to 1580nm
- TX Distances up to 10km\*\*
- For use with yellobrik and Series 5000 product lines
- Pluggable and hot swappable
- Lead free and RoHS compliant



Shown with dust cap fitted

The OH-TR-51 Data optical transceiver is a plug in option for select LYNX Technik yellobrik and Series 5000 products. This SFP module includes a receiver and a transmitter which facilitates the conversion of an electrical data signal into an optical signal for transmission over fiber, and will also receive an optical data signal for conversion to an electrical signal for further processing. Fixed TX wavelength of 1310nm (non CWDM) Suitable for distances up to 10km\*\* (singlemode fiber)

A socket, or "cage" is provided for the SFP in the supporting LYNX product for easy installation or upgrade. The SFP is hot swappable.

### TX Specifications

Parameter	Min	Typ	Max
Wavelength	1260nm	1310nm	1360nm
Optical Power	-9 dBm	-	-3 dBm
Spectral width (-20dB)	-	-	4nm
Extinction ratio	9.0	-	-
Data rate	-	1.25 Gbps	-

### RX Specifications

Parameter	Min	Typ	Max
Sensitivity	-	-	-23 dBm
Wavelength	1260nm	-	1580nm
Overload	-3 dBm	-	-
Loss of Signal Asserted	-35 dBm	-	-
Loss of Signal De-Asserted	-	-	-24 dBm
Optical Hysteresis	1 dB	-	4 dB

\*\* Distance is an approximation. Actual distances achieved can be longer or shorter depending on the type of fiber cable and accumulated optical losses in the fiber link. Determine link losses and perform optical budget calculations to ensure correct operation.

### Mechanical

Parameter	
Size (not including connector - typ)	57mm x 13.4mm x 12.4mm
Weight	50g
SFP Connector pinning	MSA
Fiber connections	LC / Duplex - Singlemode
Operating Temperature Range	5°C - 40°C
Power Supply Voltage	3.3VDC
Power Consumption	300mA
Humidity (non condensing)	90%

### Ordering Information

EAN / UPC	Model	Description
4250479324190	OH-TR-51	Data Fiber Transceiver

### WARNING

This SFP module is a Class 1 laser device which complies to IEC825 and FDA 21 CFR 1040.10 and 1040.11. The device must be operated within specified temperature and voltage limits. The optical ports of the module must always be terminated with an optical connector or a dust plug (dust plug supplied)

Country of manufacture: China  
Rev 1.0 Specifications subject to change