

fiber options

OH-TR-54-XXXX Fiber SFP Data Sheet

Data Optical Transceiver - CWDM

- Data optical transceiver
- Receiver and transmitter in single package
- Data rate 1.25Gbps compatible with SONET OC-24-LR-1
- 18 CWDM wavelength selections according to ITU-T G694.2
- Receive wavelengths 1260 to 1620nm according to ITU-T G694.2
- TX Distances up to 40km**
- For use with yellobrik and Series 5000 product lines
- Pluggable and hot swappable
- Lead free and RoHS compliant

The OH-TR-54-XXXX 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. 18 CWDM wavelength selections are provided and it is suitable for distances up to 40km**

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

Ordering Information

EAN / UPC	Model	Description
4250479312753	OH-TR-54-1270	Data Fiber Transceiver CWDM - 1270nm
4250479312951	OH-TR-54-1290	Data Fiber Transceiver CWDM - 1290nm
4250479313156	OH-TR-54-1310	Data Fiber Transceiver CWDM - 1310nm
4250479313354	OH-TR-54-1330	Data Fiber Transceiver CWDM - 1330nm
4250479313552	OH-TR-54-1350	Data Fiber Transceiver CWDM - 1350nm
4250479313750	OH-TR-54-1370	Data Fiber Transceiver CWDM - 1370nm
4250479313958	OH-TR-54-1390	Data Fiber Transceiver CWDM - 1390nm
4250479314153	OH-TR-54-1410	Data Fiber Transceiver CWDM - 1410nm
4250479314351	OH-TR-54-1430	Data Fiber Transceiver CWDM - 1430nm
4250479314559	OH-TR-54-1450	Data Fiber Transceiver CWDM - 1450nm
4250479314757	OH-TR-54-1470	Data Fiber Transceiver CWDM - 1470nm
4250479314955	OH-TR-54-1490	Data Fiber Transceiver CWDM - 1490nm
4250479315150	OH-TR-54-1510	Data Fiber Transceiver CWDM - 1510nm
4250479315358	OH-TR-54-1530	Data Fiber Transceiver CWDM - 1530nm
4250479315556	OH-TR-54-1550	Data Fiber Transceiver CWDM - 1550nm
4250479315754	OH-TR-54-1570	Data Fiber Transceiver CWDM - 1570nm
4250479315952	OH-TR-54-1590	Data Fiber Transceiver CWDM - 1590nm
4250479316157	OH-TR-54-1610	Data Fiber Transceiver CWDM - 1610nm

** 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.



Shown with dust cap fitted

TX Specifications

Parameter	Min	Typ	Max
Wavelength	$\lambda - 6.5\text{nm}$	λ	$\lambda + 6.5\text{nm}$
Optical Power	-5 dBm	-	0 dBm
Spectral width (-20dB)	-	-	1nm
Extinction ratio	9.0	-	-
Data rate	-	1.25 Gbps	-

$\lambda=1270/1290/1310/1330/1350/1370/1390/1410/1430/1450/1470/1490/1510/1530/1550/1570/1590/1610\text{nm}$

RX Specifications

Parameter	Min	Typ	Max
Sensitivity	-23 dBm	-	-
Wavelength	1260nm	-	1620nm
Overload	-	-	-3 dBm
Loss of Signal Asserted	-35 dBm	-	-
Loss of Signal De-Asserted	-	-	-24 dBm
Optical Hysteresis	1 dB	-	4 dB

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%

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

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