

fiber options

OH-TR-58-XXXX Fiber SFP Data Sheet

Data Optical Transceiver - CWDM (high power)

- Data optical transceiver
- Receiver and transmitter in single package
- Data rate 1.25Gbps compatible with SONET OC-24-LR-1
- 9 CWDM wavelength selections according to ITU-T G694.2
- Receive wavelengths 1260 to 1620nm according to ITU-T G694.2
- TX Distances up to 80km**
- For use with yellobrik and Series 5000 product lines
- Pluggable and hot swappable
- Lead free and RoHS compliant

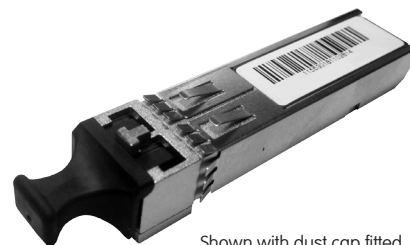
The OH-TR-58-XXXX Data optical transceiver is a plug in option for select LYNX Technik yellobrik and Series 5000 products. This SFP module includes a receiver and a transmitter which facilitates the conversion of an electrical data signal into an optical signal for transmission over fiber, and will also receive an optical data signal for conversion to an electrical signal for further processing. 9 CWDM wavelength selections are provided and it is suitable for distances up to 80km** This is a higher power device intended for long haul applications.

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
4250479321045	OH-TR-58-1450	Data Fiber Transceiver CWDM - 1450nm
4250479321052	OH-TR-58-1470	Data Fiber Transceiver CWDM - 1470nm
4250479321069	OH-TR-58-1490	Data Fiber Transceiver CWDM - 1490nm
4250479321076	OH-TR-58-1510	Data Fiber Transceiver CWDM - 1510nm
4250479321083	OH-TR-58-1530	Data Fiber Transceiver CWDM - 1530nm
4250479321090	OH-TR-58-1550	Data Fiber Transceiver CWDM - 1550nm
4250479321106	OH-TR-58-1570	Data Fiber Transceiver CWDM - 1570nm
4250479321113	OH-TR-58-1590	Data Fiber Transceiver CWDM - 1590nm
4250479321120	OH-TR-58-1610	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	-0 dBm	-	+5 dBm
Spectral width (-20dB)	-	-	1nm
Extinction ratio	9.0	-	-
Data rate	-	1.25 Gbps	-

$\lambda = 1450/1470/1490/1510/1530/1550/1570/1590/1610\text{nm}$

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