

High Power CWDM Optical Data Transceiver



Shown with dust cap fitted

Features

- Data optical transceiver
- Duplex Receiver and transmitter in single package
- Data rate 1.25Gbps compatible with SONET OC-24-LR-1
- 18 CWDM wavelengths available according to ITU-T G694.2
- Receive wavelengths 1260 to 1620nm according to ITU-T G694.2
- TX Distances up to 80km**
- Pluggable and hot swappable
- Lead free and RoHS compliant

Technical Specifications

TX Specifications	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	-

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

RX Specifications	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	
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%

Safety Standards



Description

The OH-TR-58-XXXX-LC Data optical transceiver is a plug in option for select LYNXTechnik yellowbrik and Series 5000 products. This SFP module includes a receiver and a transmitter to convert electrical data signal into optical signals for transmission over fiber. 18 CWDM wavelength selections are available 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
4250479320956	OH-TR-58-1270-LC	Data Fiber Transceiver CWDM - 1270nm
4250479320963	OH-TR-58-1290-LC	Data Fiber Transceiver CWDM - 1290nm
4250479320970	OH-TR-58-1310-LC	Data Fiber Transceiver CWDM - 1310nm
4250479320987	OH-TR-58-1330-LC	Data Fiber Transceiver CWDM - 1330nm
4250479320994	OH-TR-58-1350-LC	Data Fiber Transceiver CWDM - 1350nm
4250479321007	OH-TR-58-1370-LC	Data Fiber Transceiver CWDM - 1370nm
4250479321014	OH-TR-58-1390-LC	Data Fiber Transceiver CWDM - 1390nm
4250479321021	OH-TR-58-1410-LC	Data Fiber Transceiver CWDM - 1410nm
4250479321038	OH-TR-58-1430-LC	Data Fiber Transceiver CWDM - 1430nm
4250479321045	OH-TR-58-1450-LC	Data Fiber Transceiver CWDM - 1450nm
4250479321052	OH-TR-58-1470-LC	Data Fiber Transceiver CWDM - 1470nm
4250479321069	OH-TR-58-1490-LC	Data Fiber Transceiver CWDM - 1490nm
4250479321076	OH-TR-58-1510-LC	Data Fiber Transceiver CWDM - 1510nm
4250479321083	OH-TR-58-1530-LC	Data Fiber Transceiver CWDM - 1530nm
4250479321090	OH-TR-58-1550-LC	Data Fiber Transceiver CWDM - 1550nm
4250479321106	OH-TR-58-1570-LC	Data Fiber Transceiver CWDM - 1570nm
4250479321113	OH-TR-58-1590-LC	Data Fiber Transceiver CWDM - 1590nm
4250479321120	OH-TR-58-1610-LC	Data Fiber Transceiver CWDM - 1610nm

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).

** 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.