

# fiber options

## OH-TR-10G-XXXX-LC Fiber SFP Data Sheet

### 10 Gbit/s CWDM Optical Data Transceiver

- Multi-rate optical transceiver for 10 Gbit/s or 1 Gbit/s signals
- Receiver and transmitter in single package
- High receiver sensitivity APD
- 8 CWDM wavelength selections (1470 nm - 1610 nm)
- For use with select LYNX-Technik products
- Pluggable and hot swappable
- Lead free and RoHS compliant

The OH-TR-10G-XXXX-LC optical data transceiver is a plug in option for select LYNX Technik products. This SFP module includes a receiver and a transmitter, which facilitate the conversion of an electrical SDI signal into an optical signal for transmission over fiber and vice versa. It supports transmission rates of 10 Gbit/s or 1 Gbit/s.

8 CWDM wavelength selections are provided. The module accommodates 10 Gbit/s or 1 Gbit/s signals.



Shown with dust cap fitted

### TX Specifications

Parameter	Min	Typ	Max
Wavelength	$\lambda_c - 6$ nm	$\lambda_c$	$\lambda_c + 7.5$ nm
Optical Power	0 dBm	-	4 dBm
Linear Extinction Ratio	3.5 dB	-	-

$\lambda = 1470/1490/1510/1530/1550/1570/1590/1610$

### RX Specifications

Parameter	Min	Typ	Max
Receiver Sensitivity	-	-	-23 dBm
Wavelength	1260 nm	-	1620 nm
Overload	-8 dBm	-	-
Loss of Signal Asserted	-37 dBm	-	-
Loss of Signal De-Asserted	-	-	-24 dBm
Optical Hysteresis	1 dB	-	-

### 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: Taiwan

### Mechanical

Parameter	
Size (not including connector - typ)	57.4 mm x 13.4 mm x 12.7 mm
Weight	50 g
SFP Connector pinning	MSA
Fiber connections	LC / Duplex - Singlemode
Operating Temperature Range	0 °C - 70 °C
Power Supply Voltage	3.3V DC
Power Consumption	max. 455 mA
Humidity (non condensing)	90%

### Ordering Information

EAN / UPC	Model	Description
4250479328242	OH-TR-10G-1470-LC	10 Gbit/s CWDM Fiber Transceiver - 1470 nm
4250479328259	OH-TR-10G-1490-LC	10 Gbit/s CWDM Fiber Transceiver - 1490 nm
4250479328266	OH-TR-10G-1510-LC	10 Gbit/s CWDM Fiber Transceiver - 1510 nm
4250479328273	OH-TR-10G-1530-LC	10 Gbit/s CWDM Fiber Transceiver - 1530 nm
4250479328280	OH-TR-10G-1550-LC	10 Gbit/s CWDM Fiber Transceiver - 1550 nm
4250479328297	OH-TR-10G-1570-LC	10 Gbit/s CWDM Fiber Transceiver - 1570 nm
4250479328303	OH-TR-10G-1590-LC	10 Gbit/s CWDM Fiber Transceiver - 1590 nm
4250479328310	OH-TR-10G-1610-LC	10 Gbit/s CWDM Fiber Transceiver - 1610 nm



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Specifications subject to change