

# fiber options

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

### 10 Gbit/s Optical Data Transceiver

- Optical transceiver for 10 Gbit/s or 1 Gbit/s signals
- LC Duplex fiber connections
- 1310nm TX Wavelength - singlemode
- Receive wavelengths 1260 - 1565 nm
- TX Distances up to 20 km\*\*
- For use with select LYNX-Technik product lines
- Pluggable and hot swappable
- Lead free and RoHS compliant

The OH-TR-10G-LC optical transceiver is a plug in option for select LYNX Technik products. It includes a receiver and a transmitter which facilitate the conversion of an electrical into an optical (and vice versa) signal for transmission over fiber.

Transmission wavelength is a fixed 1310 nm and suitable for distances up to 20 km\*\* using singlemode fiber. The receiver will capture any wavelength between 1260 nm-1565 nm. The module supports 10 Gbit/s and 1 Gbit/s.

### TX Specifications

Parameter	Min	Typ	Max
Transmitting Optical Power	-3 dBm	-	1 dBm
Wavelength	1270 nm	1310 nm	1355 nm
Linear Extinction Ratio	3.5 dBm	-	-

### RX Specifications

Parameter	Min	Typ	Max
Receiver Sensitivity	-	-	-14.4 dBm
Wavelength	1260 nm	-	1565 nm
Overload	0.5 dBm	-	-
Loss of Signal Asserted	-28 dBm	-	-
Loss of Signal De-Asserted	-	-	-16 dBm



Shown with dust cap fitted

### Mechanical

Parameter	
Size (not including connector - typ)	57 mm x 13.4 mm x 12.4 mm
Weight	50 g
SFP Connector pinning	MSA
Fiber connections	LC / Duplex - Singlemode
Operating Temperature Range	5°C - 40°C
Power Supply Voltage	3.3V DC
Power Consumption	max. 400 mA
Humidity (non condensing)	90%

### Ordering Information

EAN / UPC	Model	Description
4250479328211	OH-TR-10G-LC	10 Gbit/s Data Fiber Transceiver - Fiber LC Connector

\*\* 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.

### 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



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Specifications subject to change