

fiber options

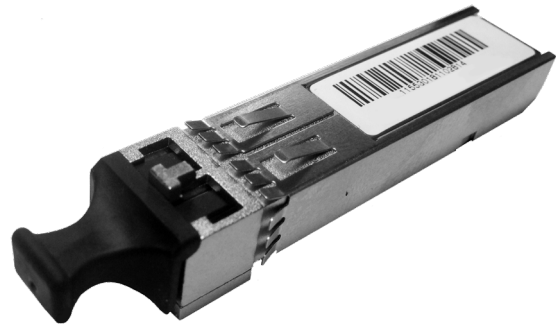
OH-TR-MADI-1310 MM Fiber SFP Data Sheet

1310nm Multimode Optical Transceiver

- Optical multimode transceiver for MADI audio applications
- Receiver and transmitter in single package
- 1310nm TX Wavelength - Multimode
- Receive wavelengths 1270 to 1620nm according to ITU-T G694.2
- TX Distances up to 2km**
- For use with yellobrik and greenMachine product lines
- Pluggable and hot swappable
- LC Duplex fiber connections
- Lead free and RoHS compliant

The OH-TR-MADI-1310-MM optical transceiver is a plug in option for select LYNX Technik yellobrik and greenMachine products. Specifically this option is intended to convert the LYNX **OTR 1210 MM** MADI Transceiver module from the standard 850nm to 1310nm wavelength. This is also a plug in option for greenMachine when using the MADI audio APP. TX Wavelength is a fixed 1310nm, and suitable for distances up to 2km**

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



Shown with dust cap fitted

TX Specifications

Parameter	Min	Typ	Max
Center Wavelength	1260nm	1310nm	1360nm
Spectral Width			10nm
Optical Power*	-20dBm	-	-14dBm
Linear Extinction Ratio	8.2dB	-	-

*Using 62.5/125µm Multimode Fiber

RX Specifications

Parameter	Min	Typ	Max
Receiver Sensitivity			-30dBm
Wavelength	1270nm	-	1620nm
Overload	-3dBm	-	-
Loss of Signal Asserted	-45dBm	-	-
Loss of Signal De-Asserted	-	-	-31dBm
Optical Hysteresis	0.5dB	2dB	-

Mechanical

Parameter	
Size (not including connector - typ)	57mm x 13.4mm x 12.4mm
Weight	50g
SFP Connector pinning	MSA
Fiber connections	LC / Duplex - Multimode
Operating Temperature Range	5°C - 40°C
Power Supply Voltage	3.3VDC
Power Consumption	200mA typical 300mA max

Ordering Information

EAN / UPC	Model	Description
4250479325975	OH-TR-MADI-1310 MM	1310nm MADI Fiber Transceiver

** 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

Rev 1.0 Specifications subject to change

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