

fiber options

OH-TX-4-12G-LC Fiber SFP Data Sheet

12G-SDI Single Channel Optical Transmitter with CDR

- SDI multi-rate optical transmitter for 12G-SDI, 6G-SDI, 3G-SDI, HD-SDI, SD-SDI
- Support for SMPTE 2082, SMPTE 2081, SMPTE 424M, SMPTE 292M, SMPTE 259M, DVB-ASI
- 1310nm wavelength (non CWDM)
- Distances up to 40km** (singlemode)
- For use with yellobrik and greenMachine product lines
- Pluggable and hot swappable
- LC connector (singlemode fiber only)
- Lead free and RoHS compliant

The OH-TX-4-12G-LC optical transmitter is an integrated part or plug in option for selectēd LYNX Technik products. This SFP module facilitates the conversion of an electrical SDI signal into an optical signal for transmission over fiber. Wavelength is a fixed 1310nm and suitable for distances up to 40km**. The module accommodates 12G, 6G, 3G and 1.5G SDI signals conforming to SMPTE 2082, SMPTE 2081, SMPTE 424M, 292M, 259M, DVB-ASI.

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

Specifications

Parameter	Min	Typ	Max
Wavelength	1260nm	1310nm	1360nm
Optical Power	-0.5dBm	-	3dBm
Distance	-	40km**	-
Linear Extinction Ratio	4	-	-
Operating Temperature Range	5°C	-	40°C
Power Supply Voltage	3.1 VDC	3.3 VDC	3.5VDC
Power Consumption	-	280mA	300mA
Humidity (non condensing)	-	-	85%

Mechanical

Parameter	
Size (not including connector - typ)	47.5mm x 14mm x 8.7mm
Weight	50g
SFP Connector pinning	MSA
Fiber connections	LC Simplex - single mode

Ordering Information

EAN / UPC	Model	Description
4250479327597	OH-TX-4-12G-LC	12G SDI Fiber Transmitter with CDR

** 40km 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. The distance of 40km is achievable with OH-RX-12G-LC and using a fiber cable with attenuation 0.3dB/km or better.

WARNING

These SFP modules are Class 1 laser devices that comply 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 1.1 Specifications subject to change

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