

fiber options

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

12Gbit SDI Optical Transmitter

- SDI multi-rate optical transmitter for 12G-SDI, 6G-SDI, 3G-SDI and HD-SDI
- Support for SMPTE 2082, SMPTE 424M, SMPTE 292M.
- 1310nm wavelength (non CWDM).
- Distances up to 10km** (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-12G-LC SDI optical transmitter is an integrated part or plug in option for select 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 10km**. The module accommodates 12G, 6G, 3G and 1.5G SDI signals conforming to SMPTE 2082, 424M, 292M.

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	1290nm	1310nm	1360nm
Optical Power	-5dBm	-	0.5dBm
Distance	-	10km**	-
Linear Extinction Ratio	3.5	-	-
Operating Temperature Range	5°C	-	40°C
Power Supply Voltage	3.1 VDC	3.3 VDC	3.5VDC
Power Consumption	-	135mA	150mA
Humidity (non condensing)	-	-	90%

Mechanical

Parameter	
Size (not including connector - typ)	57mm x 13.4mm x 12.4mm
Weight	50g
SFP Connector pinning	MSA
Fiber connections	LC Simplex - single mode

Country of manufacture: Taiwan

Ordering Information

EAN / UPC	Model	Description
4250479325036	OH-TX-12G-LC	12G SDI Fiber Transmitter

** 10km 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

These SFP modules are Class 1 laser devices which 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)



Rev 1.1 Specifications subject to change

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