

# fiber options

## OH-TX-12G-ST Fiber SFP Data Sheet

### 12G SDI Single Channel Optical Transmitter

- SDI multi-rate optical transmitter for 12G-SDI, 6G-SDI, 3G-HDI and HD-SDI
- Support for SMPTE 2082, SMPTE 2081, SMPTE 424M, and SMPTE 292M
- 1310nm wavelength (non CWDM).
- Distances up to 10km\*\* (singlemode)
- For use with yellobrik, greenMachine, and Series 5000 product lines
- Pluggable and hot swappable
- Available in ST connectors (singlemode fiber only)
- Lead free and RoHS compliant

The OH-TX-12G-ST single channel optical transmitter is an integrated plug in option for selected LYNX Technik products. This SFP module facilitates the conversion of SDI electrical signals at ST-2082-1 (12G), ST-2081-1 (6G), ST-424 (3G) and ST-292 (HD) to optical signal.

The OH-TX-12G-ST module is a pluggable SFP with ST connector for use in LYNX products which provide an SFP slot. This module is paired with OH-RX-12G-ST single channel optical receiver module to transmit signals up to a maximum distance of 10km\*\* over a single mode fiber.

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



### Specifications

Parameter	Min	Typ	Max
Wavelength	1260nm	1310nm	1360nm
Optical Power	-5dBm	-	2dBm
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	ST connector

Country of manufacture: Taiwan

### Ordering Information

EAN / UPC	Model	Description
4250479327528	OH-TX-12G-ST	12G SDI Single Optical Transmitter (TX) SFP Module

\*\* 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)



Rev 1.0 Specifications subject to change

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