

# fiber options

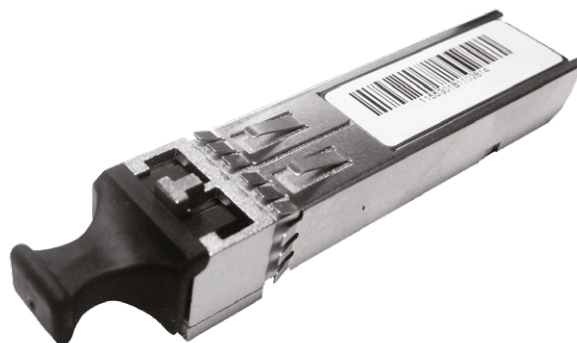
## OH-TT-12G-XXXX-XXXX-LC Fiber SFP Data Sheet

### Dual Channel 12Gbit SDI Optical Transmitter - CWDM

- Dual channel multi-rate optical transmitter for 12G, 6G, 3G, and HD-SDI signals
- Support for SMPTE 2082, SMPTE 2081, SMPTE 424M, and SMPTE 292M
- 18-wavelengths (9 pair) selections according to ITU-T G694.2
- Distances up to 10km\*\* (singlemode)
- For use with yellobrik, greenMachine, and Series 5000 product lines
- Pluggable and hot swappable
- LC Duplex connector - singlemode
- Lead free and RoHS compliant

The **OH-TT-12G-XXXX-XXXX-LC** dual channel SDI optical transmitter is a CWDM fiber plug in option for selected LYNX Technik yellobrik, greenMachine, and Series 5000 products. This SFP module facilitates the conversion of two electrical SDI signals into optical signals for transmission over two fiber links. 18-wavelengths (9 pairs) selections are available for CWDM applications and support for distances of up to 10km\*\* is provided. The module accommodates 11.88Gbit, 5.94Gbit, 2.97Gbit, and 1.485Gbit SDI signals conforming to SMPTE 2082, SMPTE 2081, SMPTE 424M, and SMPTE 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 (each channel)

Parameter	Min	Typ	Max
Wavelengths [ 18 according to ITU-T G694.2 ]	$\lambda - 10\text{nm}$	$\lambda$	$\lambda + 10\text{nm}$
Optical Power	-2dBm	-	+3dBm
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	-	250 mA	300 mA
Humidity (non condensing)	-	-	90%

$\lambda = [1270 + 1290], [1310 + 1330], [1350 + 1370], [1390 + 1410], [1430 + 1450], [1470 + 1490], [1510 + 1530], [1550 + 1570], [1590 + 1610] \text{ nm}$

#### Mechanical

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

Country of manufacture: Taiwan

#### Ordering Information

EAN / UPC	Model	Description
4250479327337	OH-TT-12G-1270-1290-LC	Dual 12G SDI Optical Transmitter (TT) SFP Module - CWDM capable -10km - 1270&1290nm - Fiber LC connectors
4250479327344	OH-TT-12G-1310-1330-LC	Dual 12G SDI Optical Transmitter (TT) SFP Module - CWDM capable - 10km - 1310&1330nm - Fiber LC connectors
4250479327351	OH-TT-12G-1350-1370-LC	Dual 12G SDI Optical Transmitter (TT) SFP Module - CWDM capable -10km - 1350&1370nm - Fiber LC connectors
4250479327368	OH-TT-12G-1390-1410-LC	Dual 12G SDI Optical Transmitter (TT) SFP Module - CWDM capable - 10km - 1390&1410nm - Fiber LC connectors
4250479327375	OH-TT-12G-1430-1450-LC	Dual 12G SDI Optical Transmitter (TT) SFP Module - CWDM capable -10km - 1430&1450nm - Fiber LC connectors
4250479327382	OH-TT-12G-1470-1490-LC	Dual 12G SDI Optical Transmitter (TT) SFP Module - CWDM capable - 10km - 1470&1490nm - Fiber LC connectors
4250479327399	OH-TT-12G-1510-1530-LC	Dual 12G SDI Optical Transmitter (TT) SFP Module - CWDM capable - 10km - 1510&1530nm - Fiber LC connectors
4250479327405	OH-TT-12G-1550-1570-LC	Dual 12G SDI Optical Transmitter (TT) SFP Module - CWDM capable - 10km - 1550&1570nm - Fiber LC connectors
4250479327412	OH-TT-12G-1590-1610-LC	Dual Optical Transmitter (TT) SFP Module - CWDM capable - 10km - 1590&1610nm - Fiber LC connectors

\*\* 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 that comply with 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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