

# fiber options

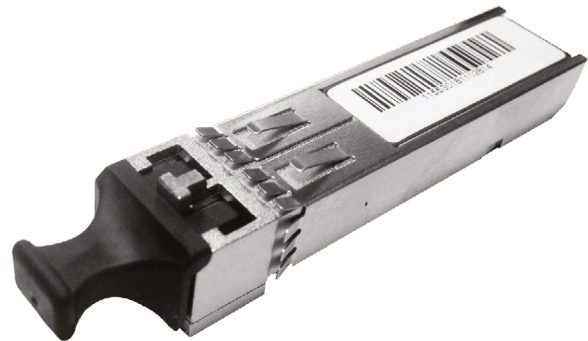
## OH-TT-12G-LC Fiber SFP Data Sheet

### Dual Channel 12Gbit SDI Optical Transmitter

- Dual Channel SDI multi-rate optical transmitter for 12G-SDI, 6G-SDI, 3G-SDI, and HD-SDI.
- Support for SMPTE 2082, SMPTE 424M, and SMPTE 292M.
- Distances up to 10km\*\* (singlemode)
- For use with yellobrik and Series 5000 product lines
- Pluggable and hot swappable
- LC Duplex Connector, singlemode
- Lead free and RoHS compliant

The OH-TT-12G-LC Dual channel SDI optical transmitter is an integrated part or plug in option for select LYNX Technik yellobrik and Series 5000 products. This SFP module facilitates the conversion of two electrical SDI signals into optical signals for transmission over two fiber links. Wavelength is a fixed 1310nm for each channel and suitable for distances up to 10km\*\*. The module accommodates 11.88Gbit, 5.94Gbit, 2.97Gbit, and 1.485Gbit SDI signals conforming to SMPTE 2082, 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 (for each channel)

Parameter	Min	Typ	Max
Wavelength	1260nm	1310nm	1330nm
Optical Power	-5.5dBm	-	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	-	250 mA	300 mA
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- singlemode

### Ordering Information

EAN / UPC	Model	Description
4250479326330	OH-TT-12G-LC	Dual Channel 12Gbit SDI Optical 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

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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