

fiber options

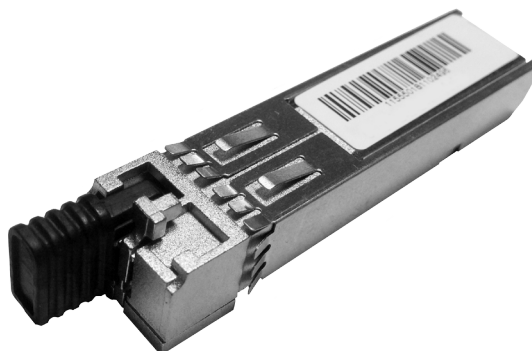
OH-TX-0-850-MM Fiber SFP Data Sheet

3Gbit SDI Optical Transmitter - Multimode

- SDI multi-rate optical transmitter for 3G-SDI, HD-SDI and SD-SDI signals
- Support for SMPTE 424M, SMPTE 292M, SMPTE 259M, DVB-ASI
- 850nm Wavelength - Multimode
- LC Simplex fiber connection
- Distances up to 300m** @ 3Gbit (Multimode)
- For use with yellobrik and Series 5000 product lines
- Pluggable and hot swappable
- Lead free and RoHS compliant

The OH-TX-0-850-MM 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 an electrical SDI signal into an optical signal for transmission over fiber. Wavelength is a fixed 850nm and suitable for distances up to 1000m**. The module accommodates 270Mbit / 1.485Gbit and 2.97Gbit SDI signals conforming to SMPTE 424M, 292M, 259M and 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
Supported link distance (with 62.5/125µm Multimode fiber)	2.97 Gb/s	-	-	300m**
	1.485 Gbit/s	-	-	500m**
	270 Mbit/s	-	-	1000m**
Wavelength		830nm	850nm	870nm
Optical Power		-7dBm*	-	-2dBm*
Linear Extinction Ratio		5.0	7.5	-
Relative Intensity Noise		-	-	-118dB/Hz
Operating Temperature Range		5°C	-	40°C
Power Supply Voltage		3.13VDC	3.3 VDC	3.47VDC
Power Consumption		-	130 mA	180 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 / SC or ST connectors - single mode

Country of manufacture: Taiwan

Ordering Information

EAN / UPC	Model	Description
4250479318236	OH-TX-0-850-MM	3G SDI Fiber Transmitter - Multimode

* Output power coupled into 62.5/125µm Multimode fiber

** 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.

Note. Recommended for use with Fiber Receiver SFP **OH-RX-0-MM**

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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