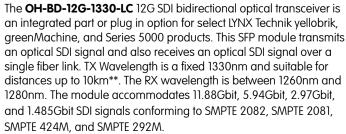
## fiber options

# OH-BD-12G-1330-LC Fiber SFP Data Sheet

### **12Gbit SDI Bidirectional Optical Transceiver**

- SDI Multi-rate optical bidirectional transceiver for 12G-SDI, 6G-SDI, 3G-HDI and HD-SDI
- 1 port bidirectional operation over single fiber (singlemode)
- Support for SMPTE 2082, SMPTE 2081, SMPTE 424M, and SMPTE 292M
- 1330nm TX Wavelength / 1270nm RX Wavelength
- For distances up to 10km\*\*
- For use with yellobrik, greenMachine, and Series 5000 product lines
- Pluggable and hot swappable
- Lead free and RoHS compliant



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

#### **TX Specifications**

Parameter	Min	Тур	Max
Wavelength	1320nm	1330nm	1340nm
Optical Power	-3dBm	-	+3dBm
Linear Extinction Ratio	3.5	-	-

#### **RX Specifications**

Parameter		Min	Тур	Max
Receiver Sensitivity	11.88 Gb/s			-10
	6 Gb/s	-	-	-10
	2.97 Gb/s	-	-	-14
	1.485 Gbit/s	-	-	-14
Wavelength		1260nm	1270nm	1280nm
Overload		-2dBm	-	-
Loss of Signal Asserted		-30 dBm	-	-
Loss of Signal De-Asserted		-	-	-12 dBm
Optical Hysteresis		0.5 dB	2dB	-



Shown with dust cap fitted

This SFP is typically used in simple WDM closed loop point to point applications and is intended to be paired with the OH-BD-12G-1270 -LC SFP at the other end of the fiber link.

#### **Mechanical**

Parameter			
Size (not including connector - typ)	57mm x 13.4mm x 12.4mm		
Weight	50g		
SFP Connector pinning	MSA		
Fiber connections	LC (Simplex) - Singlemode		
Operating Temperature Range	5°C - 40°C		
Power Supply Voltage	3.3VDC		
Power Consumption	300mA typical 400mA max		
Humidity (non condensing)	90%		

#### **Ordering Information**

EAN / UPC	Model	Description
4250479327504	OH-BD-12G-1330-LC	12G SDI Optical Bidirectional Transceiver (TR) SFP module-1330nm - Fiber LC connector

<sup>\*\*</sup> 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 1.1 Specifications subject to change

Country of manufacture: Taiwan

