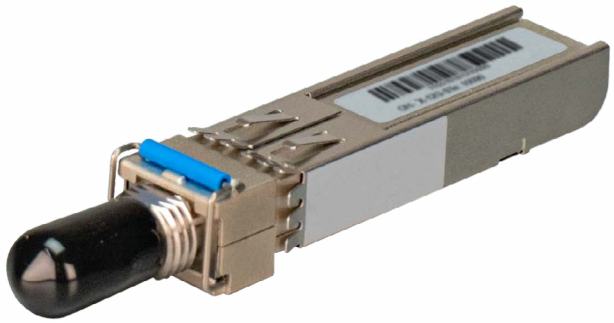
LYNXTechnik
Broadcast Television Equipment

OH-RX-12G-ST

12G SDI Single Channel Optical Receiver



Shown with dust cap fitted

Features

- SDI multi-rate optical receiver for 12G-SDI, 6G-SDI, 3G-HDI and HD-SDI
- Support for SMPTE 2082, SMPTE 2081, SMPTE 424M, and SMPTE 292M
- Supports 1260 to 1620nm wavelengths
- For use with yellobrik, greenMachine, and Series 5000 product lines
- Pluggable and hot swappable
- Available in ST connectors (singlemode fiber only)
- MSA pinout
- Lead free and RoHS compliant

Description

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

The OH-RX-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-TX-12G-ST single channel optical transmitter module to receive error-free signals up to a maximum distance of 10km** over a single mode fiber at wavelength 1260nm to 1620nm.

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.

Technical Specifications

RX Specifications		Min	Typ	Max
Receiver Sensitivity (Measured with pathological pattern)	11.88 Gb/s	-	-	-10dBm
	5.94 Gbit/s	-	-	-10dBm
	2.97 Gbit/s			-14dBm
	1.485 Gbit/s	-	-	-14dBm
Wavelength		1260nm	-	1620nm
Overload		-2dBm	-	-
Loss of Signal De Assert		-	-	-10dBm
Loss of Signal Assert		-30dBm	-	-
Optical Hysteresis		0.5dB	2dB	-

Mechanical	
Size (not including connector - typ)	57 mm x 13.4 mm x 12.4 mm
Weight	50 g
SFP Connector pinning	MSA
Fiber connections	ST / Simplex - Singlemode
Operating Temperature Range	0 - 70°C
Power Supply Voltage	3.3 V DC
Power Consumption	180 - 200 mA
Humidity (non condensing)	90%

Ordering Information

EAN / UPC	Model	Description
4250479327511	OH-RX-12G-ST	12G SDI Single Optical Receiver (RX) 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).

Safety Standards

Country of manufacture: Taiwan

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