

### 12G-SDI Duplex Fiber Receiver 40km



Shown with dust cap fitted

#### Features

- SDI multi-rate optical receiver for 12G-SDI, 6G-SDI, 3G-SDI, HD-SDI
- Support for SMPTE 2082, SMPTE 2081, SMPTE 424M, SMPTE 292M
- Supports 1260 to 1620nm wavelengths
- Pluggable and hot swappable
- Duplex, LC Connector, Singlemode
- Lead free and RoHS compliant

#### Description

The OH-RR-4-12G-LC dual channel SDI optical receiver is an integrated part or plug in option for select LYNX Technik products. This module facilitates the conversion of two independent SDI optical signals into electrical signals for further processing within these products. Support is provided for all wavelengths between 1260 and 1620nm according to ITU-T G694.2 (18 wavelengths).

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

#### Technical Specifications

RX Specifications		Min	Typ	Max
Receiver Sensitivity	11.88 Gbit/s	-	-	-18 dBm
	5.94 Gbit/s	-	-	-18 dBm
	2.97 Gbit/s	-	-	-18 dBm
	1.485 Gbit/s	-	-	-18 dBm
Wavelength		1260 nm	-	1620 nm
Overload		-3 dBm	-	-
Loss of Signal Asserted		-30 dBm	-	-
Loss of Signal De-Asserted		-	-	-18 dBm
Optical Hysteresis		0.5 dB	2 dB	-

Mechanical	
Size (not including connector - typ)	57.4 mm x 13.4 mm x 12.7 mm
Weight	50 g
SFP Connector pinning	MSA
Fiber connections	LC / Duplex - Singlemode
Operating Temperature Range	0 °C - 70 °C
Power Supply Voltage	3.3V DC
Power Consumption	max. 300 mA
Humidity (non condensing)	90%

#### Ordering Information

EAN / UPC	Model	Description
4250479329591	OH-RR-4-12G-LC	40km 12G-SDI Duplex Fiber Receiver

#### 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).

\*\* 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.

#### Safety Standards

