

fiber options

OH-RR-12G-LC Fiber SFP Data Sheet

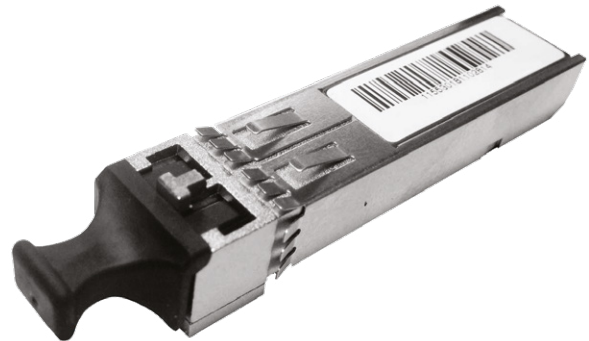
Dual Channel 12Gbit SDI Optical Receiver

- Dual channel SDI multi-rate optical receiver 12G-SDI, 6G-SDI, 3G-SDI, and HD-SDI
- Support for SMPTE 2082, SMPTE 424M, and SMPTE 292M
- Up to 10km** (6.2 miles) @ 12Gbit/s (singlemode)
- Support for all wavelengths between 1260nm and 1620nm
- For use with yellobrik and Series 5000 product lines
- Pluggable and hot swappable
- Internal receiver CDR
- LC Connector - singlemode
- Lead free and RoHS compliant

The OH-RR-12G-LC dual channel SDI optical receiver is an integrated part or plug in option for select LYNX Technik yellobrik and Series 5000 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.



Shown with dust cap fitted

Specifications (each channel)

Parameter		Min	Typ	Max
Receiver Sensitivity	11.88 Gb/s	-	-	-9 dBm
	6 Gbit/s	-	-	-10 dBm
	2.97 Gb/s	-	-	-10 dBm
	1.485 Gbit/s	-	-	-10 dBm
Wavelength		1260nm	-	1620nm
Overload		-2 dBm	-	-
Loss of Signal Asserted		-30 dBm	-	-
Loss of Signal De-Asserted		-	-	-9 dBm
Optical Hysteresis		0.5 dBm	2 dBm	-
Operating Temperature Range		5°C	-	40°C
Power Supply Voltage		3.1 VDC	3.3 VDC	3.5VDC
Power Consumption		-	350 mA	400 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 - Singlemo

Ordering Information

EAN / UPC	Model	Description
4250479326323	OH-RR-12G-LC	Dual Channel 12Gbit SDI Optical Receiver

** 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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