

fiber options

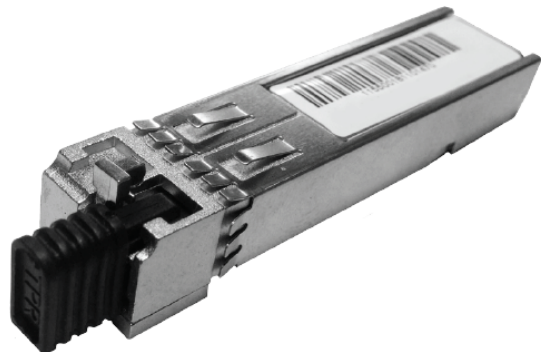
OH-RX-12-LC Fiber SFP Data Sheet

12Gbit SDI Single Optical Receiver

- SDI multi-rate fiber optic receiver for 12G-SDI, 6G-SDI, 3G-SDI and HD-SDI
- Support for SMPTE 2082, SMPTE 424M, SMPTE 292M.
- Supports 1260 to 1620nm wavelengths
- For use with yellobrik and greenMachine product lines
- Pluggable and hot swappable
- LC connector (singlemode fiber only)
- Lead free and RoHS compliant

The OH-RX-12 SDI optical receiver is an integrated plug in option for select LYNX Technik products. This SFP module facilitates the conversion of an optical fiber SDI signal into an electrical SDI signal. Wavelength capture range is between 1260nm and 1620nm. The module accommodates 12G, 6G, 3G and 1.5G SDI signals conforming to SMPTE 2082, 424M, 292M.

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.



Shown with dust cap fitted

Specifications

Parameter		Min	Typ	Max
Receiver Sensitivity (Measured with pathological pattern)	11.88 Gb/s	-	-	-10dBm
	5.94 Gbit/s	-	-	-14dBm
	2.97 Gbit/s			-14dBm
	1.485 Gbit/s	-	-	-16dBm
Wavelength		1260nm	-	1620nm
Overload		-2dBm	-	-
Loss of Signal De Assert		-	-	-10dBm
Loss of Signal Assert		-30dBm	-	-
Optical Hysteresis		0.5dB	2dB	-
Operating Temperature Range		0°C	-	70°C
Power Supply Voltage		3.1 VDC	3.3 VDC	3.5 VDC
Power Consumption		-	180mA	200mA
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 Simplex - single mode

Country of manufacture: Taiwan

Ordering Information

EAN / UPC	Model	Description
4250479325043	OH-RX-12-LC	12G SDI Single Optical Receiver

WARNING

These SFP modules are Class 1 laser devices which comply 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

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