

fiber options

OH-RX-8-LC Fiber SFP Data Sheet

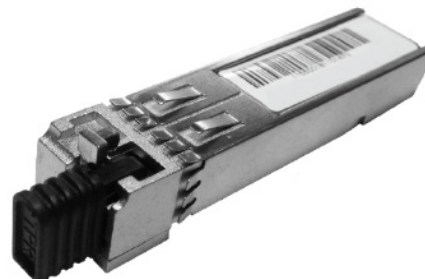
3Gbit SDI Optical Receiver (High Sensitivity)

- SDI multi-rate optical receiver for 3G-SDI, HD-SDI and SD-SDI signals
- Support for SMPTE 424M, SMPTE 292M, SMPTE 259M, DVB-ASI
- Support for all wavelengths between 1260nm and 1620nm
- LC Simplex fiber connector
- High sensitivity for long haul applications (single mode)
- For use with yellobrik and Series 5000 product lines
- Pluggable and hot swappable
- Lead free and RoHS compliant

The OH-RX-8-LC high sensitivity SDI optical receiver is a plug in option for select LYNX Technik yellobrik and Series 5000 products. This module facilitates the conversion of the SDI optical signal into an electrical signal for further processing within these products. Support is provided for all wavelengths between 1260 and 1620nm according to ITU-T G694.2 (18 wavelengths). High sensitivity provides a much wider operational headroom than the standard OH-RX-1-LC receiver for long haul applications.

The module accommodates 270Mbit / 1.485Gbit and 2.97Gbit SDI signals conforming to SMPTE 424M, 292M, 259M and DVB-ASI.

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

Parameter		Min	Typ	Max
Receiver Sensitivity	2.97 Gb/s	-26 dBm	-	-
	1.485 Gbit/s	-26 dBm	-	-
	270 Mbit/s	-26dBm	-	-
Wavelength		1260nm	-	1620nm
Overload		-	-	-7.5 dBm
Loss of Signal Asserted		-40 dBm	-	-
Loss of Signal De-Asserted		-	-	-26 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		-	130mA	150 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 connection	LC/ Simplex - singlemode

Ordering Information

EAN / UPC	Model	Description
4250479320741	OH-RX-8-LC	3G SDI Fiber Receiver - High Sense

Country of manufacture: Taiwan

Rev 1.1 Specifications subject to change

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