

# fiber options

## OH-RX-1 LC/SC/ST Fiber SFP Data Sheet

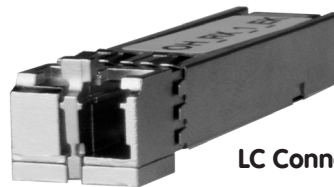
### 3Gbit SDI Optical Receiver

- 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
- For use with yellobrik and Series 5000 product lines
- Pluggable and hot swappable
- Available with LC, SC or ST connectors (singlemode fiber only)
- Lead free and RoHS compliant

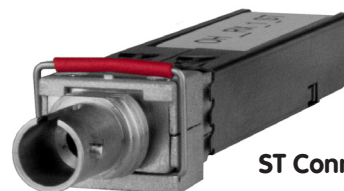
The OH-RX-1 SDI optical receiver is an integrated part or plug in option for select LYNX Technik yellobrik and Series 5000 products. This module facilitates the conversion of the SDI optical signal into an electrical signal for further processing within these products. Support is provided for all wavelengths between 1260 and 1620nm according to ITU-T G694.2 (18 wavelengths)

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

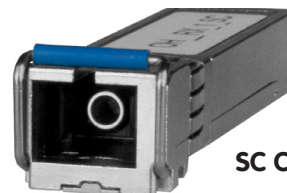
A socket, or "cage" is provided for the SFP in the supporting LYNX product for easy installation or upgrade. The SFP is hot swappable.



LC Connector



ST Connector



SC Connector

### Specifications

Parameter		Min	Typ	Max
Receiver Sensitivity	2.97 Gb/s	-18 dBm	-	-
	1.485 Gbit/s	-18 dBm	-	-
	270 Mbit/s	-18 dBm	-	-
Wavelength		1260nm	-	1620nm
Overload		-	-	-1 dBm
Loss of Signal Asserted		-35 dBm	-	-
Loss of Signal De-Asserted		-	-	-18 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		-	100 mA	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 connections	LC / SC / ST simplex - single mode

Country of manufacture: Taiwan

### Ordering Information

EAN / UPC	Model	Description
4250479318243	OH-RX-1-LC	3G SDI Fiber Receiver - LC connector
4250479320253	OH-RX-1-Y-SC*	3G SDI Fiber Receiver - SC connector
4250479320260	OH-RX-1-Y-ST*	3G SDI Fiber Receiver - ST connector

\* For yellobrik only - Can be used with Series 5000, but will not report status in APPolo control system



Rev 1.0 Specifications subject to change

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