

fiber options

OH-RX-APD Fiber SFP Data Sheet

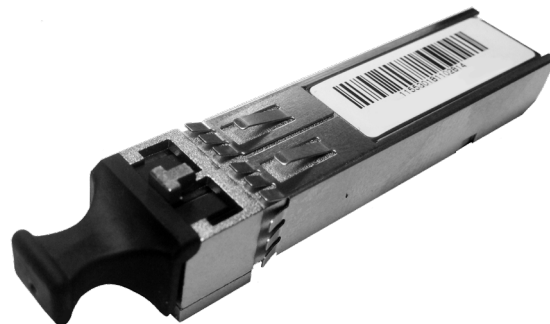
3Gbit SDI Optical Receiver (High Sensitivity)

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

The OH-RX-APD is a very high sensitivity SDI optical receiver supplied as a plug in option for select LYNX Technik products. This module facilitates the conversion of the SDI optical signal into an electrical signal for further processing within these products. Supports all wavelengths between 1260 and 1620nm according to ITU-T G694.2. The high sensitivity performance provides a 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.

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	-	-	-28dBm
	1.485 Gbit/s	-	-	-30dBm
	270 Mbit/s	-	-	-30dBm
Wavelength		1260nm	-	1620nm
Overload		-	-	-9dBm
Loss of Signal De Assert time		-	-	10ms
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Maximum Back Reflection		-	-	-27dBm
Optical Hysteresis		0.5dBm	2dBm	-
Operating Temperature Range		5°C	-	40°C
Power Supply Voltage		3.1 3VDC	3.3 VDC	3.45VDC
Power Consumption		-	-	300mA
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 (SMF)

Ordering Information

EAN / UPC	Model	Description
4250479324121	OH-RX-APD	3G SDI Fiber Receiver - High Sensitivity

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

Country of manufacture: Taiwan

Rev 1.1 Specifications subject to change

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