

fiber options

OH-RR-8 Fiber SFP Data Sheet

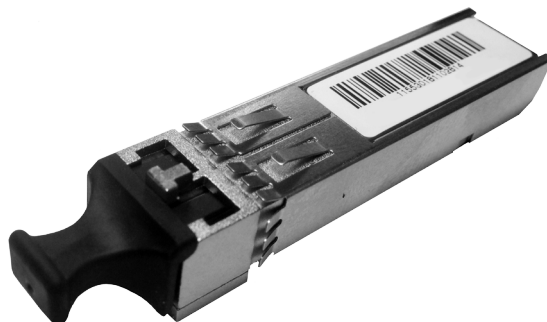
Dual Channel 3Gbit SDI Optical Receiver (high sensitivity)

- Dual channel SDI multi-rate optical receiver for 3G-SDI, HD-SDI and SD-SDI signals
- High sensitivity for long haul applications
- 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
- LC Connector - singlemode
- Lead free and RoHS compliant

The OH-RR-8 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). High sensitivity provides a much wider operational headroom than the standard OH-RR-1 dual channel 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 (each channel)

Parameter		Min	Typ	Max
Receiver Sensitivity	2.97 Gb/s	-26 dBm	-	-
	1.485 Gbit/s	-26 dBm	-	-
	270 Mbit/s	-26 dBm	-	-
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		-	200 mA	300 mA
Humidity (non condensing)		-	-	90%

Mechanical

Parameter	
Size (not including connector - typ)	57mm x 13.4mm x 12.4mm
Weight	50g
SFP Connector pinning	Proprietary
Fiber connections	LC / Duplex - Singlemode

Ordering Information

EAN / UPC	Model	Description
4250479320765	OH-RR-8	Dual Channel 3G SDI Fiber Receiver - high sense

Country of manufacture: Taiwan



Rev 1.0 Specifications subject to change

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