



Preliminary

Features

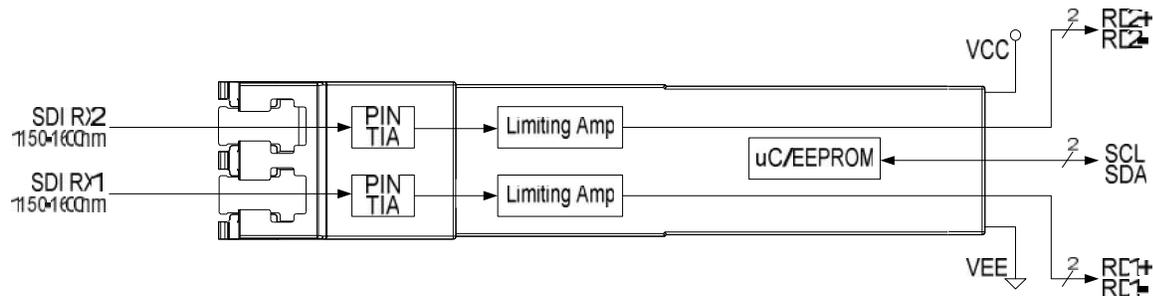
- SMPTE 424M, SMPTE 292M, SMPTE 259M & SMPTE 297 compliant
- LC fiber connectors
- Supports DVB-ASI at 270Mb/s
- Supports video pathological patterns for SD-SDI, HD-SDI and 3G-SDI
- Hot-pluggable
- Pb-free and RoHS compliant
- Operating temperature range: 0°C to 70°C
- 58.5mm x 13.4mm x 8.6mm SFP Package

General Description

The SFP-3G-2RX-1310F-LC-MH is a dual optical receiver SFP designed to receive two SDI signals up to 2.97Gbps over single mode fiber and convert optical serial digital signals to electrical serial digital signals as defined in SMPTE 297-2006. The SFP-3G-2RX-1310F-LC-MH contains two PIN photodiode receivers with -21dBm of sensitivity at 3G-SDI (pathological signal).

It is also hot-pluggable solution for in field system upgrade and maintenance. The SFP-3G-2RX-1310F-LC-MH is interchangeable with others optical or coaxial video SFP improving product flexibility.

1 Functional Block Diagram



Block Diagram

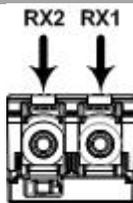
2 Functional Description

The SFP-3G-2RX-1310F-LC-MH Dual Optical PIN Receiver is a Small Form Factor Pluggable (SFP) module with LC interface. LC connectors with PC/UPC polish are required to interface the module with fibre optic cables.

The SFP-3G-2RX-1310F-LC-MH Dual Optical PIN Receiver automatically converts optical serial digital video data to electrical serial digital video data conforming to the SMPTE 424M, 292M and 259M.

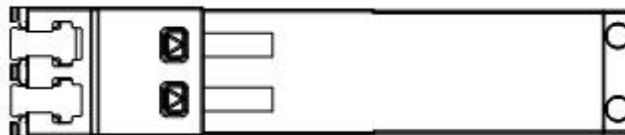
3 Mechanical Specification

Item	Description
Connector Type	LC
Polish Type	PC/UPC
Ganged Cages	Ganged cages mounting supported
Stacked Cages	Stacked cages mounting supported
Mechanical release	Simple pull up mechanical release system to disengage the module from his cage



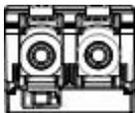
Physical channel position

TOP VIEW



SIDE VIEW

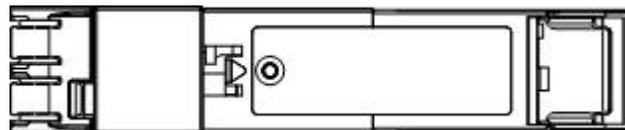
FRONT VIEW



REAR VIEW



BOTTOM VIEW



SFP-3G-2RX-1310F-LC-MH Note: All Dimensions in mm

4 Ordering Information

Part Number	Type	Package
SFP-3G-2RX-1310F-LC-MH	2Rx	SFP



5 Related Products

Complete Plura SFP Modules Selection

Model #	Type	Coaxial	Fiber	Hybrid
SFP-3G-TXRX-HD-BF-LR	Rx/Tx	HD-BNC-Mini	N/A	N/A
SFP-3G-TXRX-HD-BF-LR-C	Rx/Tx-rclk	HD-BNC-Mini	N/A	N/A
SFP-3G-2RX-1310F-LC-MH	2Rx	N/A	LC-Single Mode	N/A
SFP-3G-2TX-1310F-LC-MH	2Tx	N/A	LC-Single Mode	N/A
SFP-3G-TXRX-1310F-LC-MH	Rx/Tx	N/A	LC-Single Mode	N/A
SFP-3G-TX-HDMIF-TypeD	Rx	HDMI-TypeD	N/A	N/A
SFP-3G-2RX-1310F-LC-BF	2Rx	HD-BNC-Mini	LC-Single Mode	YES
SFP-3G-2TX-HD-BF-LR	2Tx	HD-BNC-Mini	N/A	N/A
SFP-3G-2TX-HD-BF-LR-C	2Tx-rclk	HD-BNC-Mini	N/A	N/A

The product is in a development phase and specifications are subject to change without notice. Plura reserves the right to modify and/or update the product specifications at any time.

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