



## OPTION

## OPTICAL TRANSCEIVER

This optical transceiver Non-MSA SFP module is an option for the Rx AG or AGE modules and SxTAG and allows a single optical video signal to be analysed and the generation of a single optical video test signal (requires Generator option). This is ideal for closed loop testing of fibre installations.

The **PHSFP-RT30-1310** is a single mode optical transceiver module designed to transmit and receive optical serial digital signals as defined in SMPTE 297-2006. It has been specifically designed for robust performance in the presence of SDI pathological patterns for SMPTE 259M, SMPTE 344M, SMPTE 292M and SMPTE 424M serial rates.

It contains a single 1310nm transmitter and a single receiver designed to provide error-free transmission of signals from 50Mb/s to 3Gb/s over single mode fibre (9/125).

*Note that Non-MSA SFP modules were developed for video broadcast and their pin-outs and signal levels are not compatible with MSA SFP modules. The actual data transmitted via the optical fibre, however, is identical.*

### OPTICAL TRANSMITTER

Package type	Non-MSA VideoSFP
Dimensions	56.5mm x 13.4mm x 8.6mm
Compatibility	SMPTE 297-2006
Support	3G-SDI, HD-SDI, SD-SDI
Optical Outputs	1
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3Gb/s Pathological Receive	Sensitivity -23dBm
Receiver Optical Wavelength	1260-1620nm
Transmitter Centre Wavelength	1310nm
Data Rate	50-3000 Mb/s
Power	600mW
Specifications	SMPTE 424M, 292M, and 259M
Purpose	Optical video/audio input/output

### OPTICAL CONNECTOR REQUIREMENTS

An LC connector with PC/UPC polish is required for each port.



### ORDERING INFORMATION

Option Code **PHSFP-RT30-1310**



1310nm Optical Transceiver SFP Module

### FEATURE HIGHLIGHTS

- ALLOWS CLOSED LOOP TESTING OF FIBRE INSTALLATIONS
- Non-MSA VIDEO SFP PACKAGE
- SxTAG INSTRUMENT OPTICAL INTEGRATION
- EXCELLENT OPTICAL RECEIVER PERFORMANCE
- EXCEEDS SMPTE 297-2006 SPECIFICATIONS
- ERROR-FREE RECEPTION OF SIGNALS FROM 50MBPS TO 3GBPS
- HOT PLUGGABLE
- SELECTABLE FROM SxTAG INTERFACE
- RoHS COMPLIANT
- 56.5mm x 13.4mm x 8.6mm SFP PACKAGE

### AVAILABLE FOR

- Rx AG and AGE modules
- SxTAG

