



## 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-RT30-1550 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 1550nm 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

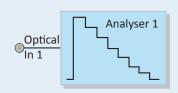
Optical Outputs 1
Optical Inputs 1

3Gb/s Pathological Receive
Receiver Optical Wavelength
Transmitter Centre Wavelength
Data Rate
Power
Temp range
Sensitivity -23dBm
1260-1620nm
1550nm
50-3000 Mb/s
600mW
0 to +70 (C)

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-RT30-1550





1550nm 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





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PHABRIX is a registered trademark.

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<sup>\*</sup>Specifications and features described herein are subject to change without prior notice. Please consult our website www.phabrix.com for the latest data.