PHABRIX®
broadcast excellence

SFP

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.

1550nm Optical Transceiver SFP Module

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	Sensitivity -23dBm
Receiver Optical Wavelength	1260-1620nm
Transmitter Centre Wavelength	1550nm
Data Rate	50-3000 Mb/s
Power	600mW
Temp range	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.

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

ORDERING INFORMATION

Option Code   PHSFP-RT30-1550

PHABRIX®

Made in the UK

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