

12G-SDI SFP Coaxial Transceiver



Features

- Coaxial SFP transceiver for 270M, 1.5G, 3G, 6G and 12G-SDI signals
- Support for SMPTE 2082-1, 2081-1, 424M, 292M, 259M, DVB-ASI
- Converts integrated SDI fiber I/O ports to SDI electrical I/O ports
- Reclocked 100 Ohm loopback output.
- For use with select LYNX products
- Compatible with AES10 (MADI)
- DIN 1.0/2.3 connectors
- Pluggable and hot swappable
- Lead free and RoHS compliant

Technical Specifications

SDI Input (RX)					
Video Standards	Multi-standard operation from 270M to 12G-SDI SMPTE 2082-1, 2081-1, 424M, 292M, 259M, DVB-ASI (270Mbit)				
Connection	DIN 1.0/2.3				
Impedance	75 Ohm				
Input Return Loss	5MHz to 1.5GHz	1.5GHz to 3GHz	3GHz to 6GHz	6GHz to 12GHz	
	>15dB	>10dB	>7dB	>4dB	
Jitter	270M	1.5G	3G	12G	
	0.1 UI	0.1 UI	0.22 UI	0.15 UI	
Cable length (Belden 1694A)	270M	1.5G	3G	6G	12G
	300m	200m	140m	80m	50m
SDI Output (TX)					
Video Standards	Multi-standard operation from 270M to 12G-SDI SMPTE 2082-1, 2081-1, 424M, 292M, 259M, DVB-ASI (270Mbit)				
Connection	DIN 1.0/2.3				
Impedance	75 Ohm				
Output Return Loss	5MHz to 1.5GHz	1.5GHz to 3GHz	3GHz to 6GHz	6GHz to 12GHz	
	>15dB	>10dB	>7dB	>4dB	
Additive Jitter (peak-to-peak)	270M	1.5G	3G	12G	
	15 ps	18 ps	20 ps	<18ps	

Description

The OH-TR-12G-SDI coaxial transceiver is a fully integrated plug in option for selected LYNX Technik products. It provides a 12G-SDI input and 12G-SDI output/loopback over mini DIN 1.0/2.3 connectors.

The module accommodates DVB ASI, 270M, 1.5G, 3G, 6G and 12G-SDI signals conforming to SMPTE 2082-1, 2081-1, 424M, 292M, 259M, DVB-ASI.

Electrical SDI connections are made using DIN 1.0/2.3 connectors.

Physical Specifications

Mechanical	
Size (not incl. connector)	57mm x 13.4mm x 12.4mm
Weight	50g
SFP Connector pinning	MSA

Ordering Information

EAN / UPC	Model	Description
4250479328174	OH-TR-12G-SDI	12G-SDI SFP Coaxial Transceiver

Option

To convert to BNC connectors use the optional DIN to BNC adapter cable.
Model: **RAC MDIN-BNC**

