

SDI options

OH-TR-SDI SFP Data Sheet

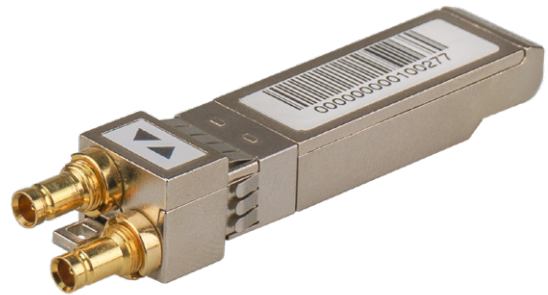
3G SDI SFP Coaxial Transceiver

- Coaxial SFP transceiver for 270Mbit/s, 1.5Gbit/s, 3Gbit/s SDI signals
- Support for SMPTE 424M, SMPTE 292M, SMPTE 259M, DVB-ASI
- Converts integrated SDI fiber I/O ports to SDI electrical I/O ports
- 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

The OH-TR-SDI coaxial transceiver is a fully integrated plug in option for select LYNX Technik products. This facilitates converting the integrated fiber I/O SFP socket included in the products to now accept electrical SDI signals.

The module accommodates 270Mbit/s, 1.5Gbit/s and 3Gbit/s SDI signals conforming to SMPTE 424M, 292M, 259M.

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



Specifications

SDI Input (RX)	
Video Standards	Multi-standard operation from 270Mbit/s to 3Gbit/s according to SMPTE 424M, SMPTE 292M, SMPTE 259M, DVB-ASI (270Mbit)
Connection	DIN 1.0/2.3
Impedance	75Ω
Input Return Loss	Bandwidth 0 -1.5G = 18 IRL (typical) Bandwidth 1.5-3G = 13 IRL (typical)
Jitter	270Mbit/s 0.2 UI 1.5Gbit/s 0.3 UI 3Gbit/s 0.35 UI
Cable length (Belden 1694A)	270Mbit/s 350m 1.5Gbit/s 170m 3Gbit/s 110m
SDI Output (TX)	
Video Standards	Multi-standard operation from 270Mbit/s to 3Gbit/s according to SMPTE 424M, SMPTE 292M, SMPTE 259M, DVB-ASI (270Mbit)
Connection	DIN 1.0/2.3
Impedance	75Ω
Output Return Loss	Bandwidth 0 -1.5G = 27 IRL (typical) Bandwidth 1.5-3G = 13 IRL (typical)
Additive Jitter	270Mbit/s 15 ps (p-p) 1.5Gbit/s 18 ps (p-p) 3Gbit/s 20 ps (p-p)

Mechanical	
Size (not including connector - (typ)	57mm x 13.4mm x 12.4mm
Weight	50g
SFP Connector pinning	MSA

Ordering Information

EAN / UPC	Model	Description
4250479325296	OH-TR-SDI	3G SDI SFP Coaxial Transceiver

Option

To facilitate the use of standard 75Ohm BNC connectors please use the optional DIN to BNC adapter cable. Model: **RAC MDIN-BNC**