

# SDI options

## OH-TR-SDI SFP Data Sheet

### 3Gbit SDI SFP Coaxial Transceiver

- Coaxial SFP transceiver for 270Mbit, 1.5Gbit, 3Gbit 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 yellobrik, Series 5000 and greenMachine product lines
- 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, 1.5Gbit and 3Gbit 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 = 0.2 UI 1.5Gbit = 0.3 UI 3Gbit = 0.35 UI
Cable length (Belden 1694A)	270Mbit = 350m 1.5Gbit = 170m 3Gbit = 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 = 15 ps (p-p) 1.5Gbit = 18 ps (p-p) 3Gbit = 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**



Rev 1.0 Specifications subject to change