

yellobrik®

OTX 1910

L-Band to Fiber Transmitter

- Input frequency 700MHz - 2300MHz
- L-Band output
- LNB power selectable 13V/18V
- 22kHz on/off for LNB local oscillator control
- Simplex LC/PC singlemode optical connection
- Up to 10km (6.2 miles)

The OTX 1910 is an effective solution for transporting analog RF L-Band signals over long distances. The module supports RF signals within the extended L-Band range of 700MHz to 2300MHz.

The module is configured using the integrated dip switch. This allows the LNB power to be activated and switched to 13V or 18V to select horizontal or vertical polarization. Additionally, the internal 22kHz tone generator can be turned on and off to select the high or low frequency range.

When paired with the fiber optic receiver for RF signals (yellobrik ORX 1900) you have a very cost effective optical RF transmitter/receiver system for distances up to 10km.

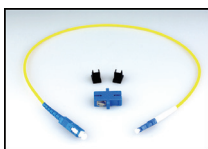


Technical Specifications

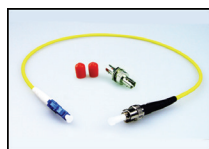
RF Input	Connector: 1 x 75 Ohm F-Type Frequency Range L-Band: 950MHz - 2150MHz Frequency Range Ext. L-Band: 700MHz - 2300MHz Return Loss: >14dB Input Power Range: -10dBm to -65dBm
LNB Power	Voltage: (13V/18V) DC, On/Off Current max.: 450mA Protection: Short Circuit LO Control: 22kHz / 0kHz
RF Output	Connector: 1x 75 Ohm F-Type Frequency Range: 700MHz - 2300MHz Return Loss: >14dB Flatness L-Band: +/- 1.5dB Flatness Ext. L-Band: +/- 2.0dB Output Level: Within +/- 2.0dB of input signal
Fiber output	Connector: 1 x LC/PC singlemode Wavelength: 1310nm Optical Power: 1dBm (+/- 1dBm)
Power	+12VDC @ 3.5W nominal - (supports 9 - 14V input range)
Physical	Size: 137mm x 42mm x 22mm (5.41" x 1.65" x 0.86") including connectors Weight: 125g (4.4oz)
Ambient	5 - 40°C (41 - 104°F) 90% Humidity (non condensing)
Model #	OTX 1910 - (EAN# 425047935974)
Includes	Module, 12V DC power supply and plastic transport case

Fiber Adapter Options

These adapter kits allow the use of ST or SC fiber connections on the modules. SMF 0.5m (19.6") tail introduces less than 0.25dB attenuation.



Model# **LC/SC SIM**
LC/PC to SC/PC Adapter



Model# **LC/ST SIM**
LC/PC to ST/SC Adapter

Power Adapter Options

The kit **INCLUDES** AC power supply. The power adapters below are optional.



P-TAP 1000
Use with a standard battery P-TAP power source.



XLR 1000
Use with a standard 4 pin XLR camera battery power source.

Specifications subject to change

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