

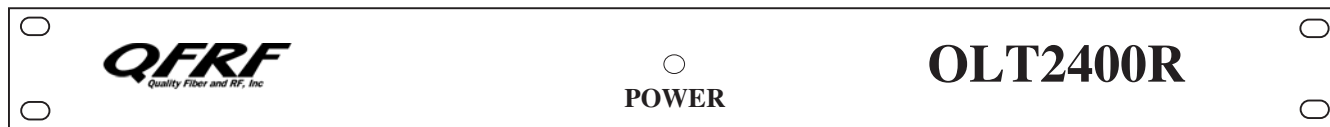


Quality Fiber and RF Inc.
 8941 SE Duncan Street
 Hobe Sound, FL 33455

**Headend
 L-Band TX and RX
 950-2400 MHz**

OLT2400R/OLR2400R

Headend L-Band Transmitter & Receiver



Front View--both models

** Features **

- **Singlemode Fiber**
- **Frequency stacking to 2400 MHz**
- **Wide Range TX with AGC**
- **18/12 volt switchable LNB power**
- **Optional CWDM Wavelengths**
- **Cost effective 1RU Rackmount**

The **OLT2400R** is a very cost effective 1RU rackmount L-Band transmitter to transport LNB signals from a remote TVRO site to your headend facility. With 950-2400 Mhz operational bandwidth, the OLT2400R can also support frequency stacking. Normally supplied with a 2mw 1310nm uncooled DFB laser, the OLT2400R has a maximum link loss of 16dB when uses with the matching OLR2400R receiver. CWDM wavelength lasers are also available, for use where fiber counts are very limited. The input to the transmitter is a wide range -40 to -25 dBm, utilizing Automatic Gain Control (AGC).

The OLT2400R also has switchable 12/18 VDC LNB power, to support DirectTV polarity selection.

The **OLR2400R** is a very cost effective 1RU rackmount L-Band receiver to transport LNB signals from a remote TVRO site to your headend facility. With 950-2400 Mhz operational bandwidth, the OLT2400R can also support frequency stacking. With a minimum optical input of -13 dBm, the OLR2400R has a maximum link loss of 16dB when uses with the matching OLT2400R transmitter. Utilizing a wideband, low noise PIN Diode, the typical link CNR is >115 dB/Hz.

• • • PRELIMINARY • • •

OLT2400R SPECIFICATIONS

| | |
|-------------------------|------------------|
| Power Supply | 18 VDC |
| LNB Output Voltage | + 12 or +18 VDC |
| Optical Output Power | 2mw/3dBm |
| Optical Connector | SC/APC |
| IF Input Range | -40 to -25 dBm |
| In Channel Flatness | 0.5dB per 40 MHz |
| Full Bandwidth Flatness | 1.0 dB |
| Typical Link Gain | 20 dB |

QFRF continues to provide flexible and state-of-the-art technology at the lowest possible price.

• • • PRELIMINARY • • •

OLR2400R SPECIFICATIONS

| | |
|-----------------------------|------------------|
| Power Supply | 18 VDC |
| Link CNR | > 115 dB/Hz |
| Minimum Optical Input Power | -13 dBm |
| Optical Connector | SC/APC |
| IF Output Range | -40 to -15 dBm |
| In Channel Flatness | 0.5dB per 40 MHz |
| Full Bandwidth Flatness | 1.0 dB |
| Typical Link Gain | 20 dB |

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