

## RPLT-1310



## Return Path Laser Transmitter, 1310 nm

The Optilab RPLT-1310 series return path laser transmitters are a reliable and cost-effective solution for return path signals in HFC, RFOG and deep fiber applications. The RPLT-1310 uses a highly linear 1310 nm DFB laser module and has an operating frequency of 5 MHz to 200 MHz. The RPLT-1310 transmitters support analog transmitting channels, QAM modulated signal channels, or a combination of both. The RPLT-1310 is available with up to +10 dBm output power.

### Features

- 1310 nm DFB laser source for return path
- -20 dB front panel RF test port
- LED digital display and status indicators
- +10 dBm DFB output power
- Operating Frequency range of 5 to 200 MHz
- **3 year warranty standard**

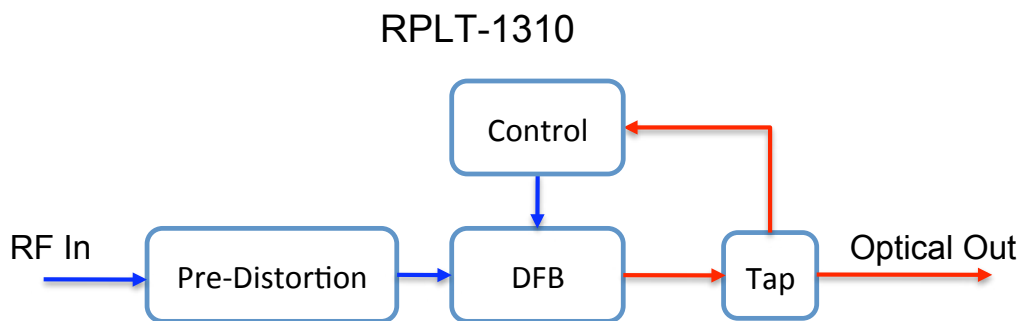
### Applications

- HFC
- RFOG
- Deep fiber applications
- Optilab is RUS/USDA accepted



This Optilab product meets Buy American and is RUS accepted

### Functional Diagram



# Return Path Laser Transmitter, 1310 nm | RPLT-1310

## OPTIONS

**RPLT-1310**

## TECHNICAL INFO

For technical info and support:

[sales@optilab.com](mailto:sales@optilab.com)

[www.optilab.com](http://www.optilab.com)

## PHONE

Contact Optilab at:

**1-888-553-3888 (toll-free)**  
**1-602-343-1496 (direct, int'l)**

Optilab, LLC  
Phoenix, AZ, USA

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- End to end solutions
- Best cost/performance ratio
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- Based in Phoenix, Az

Optical Specifications	
Laser Wavelength Range	1310 nm ± 10 nm
Output Power Level	+3 to +10 dBm
Number of Outputs	1 output standard
RF Test Port Ratio	-20 dB
Frequency Range	5 MHz to 200 MHz
Flatness in Frequency Range	±0.75 dB
Input RF Impedance	75 Ω
Input RF Return Loss	16 dB min.
Mechanical Specifications	
Operation Temperature Range	0°C to +50°C
Storage Temperature Range	-40°C to +70°C
Power Supply	80 – 240 V, 43 – 63 Hz AC
Power Consumption	40 W max.
Housing Dimensions	1U 19"(W) x 14"(D) x 1.75"(H)
Alarm	Over Temperature (on TEC cooled model), Over Current
Optical Connectors	SC/APC or Customer Specified