

rRCVR-4



4 Port Return-Path Receiver

The Optilab rRCVR-4, 4 port return-path receivers, are cost-effective for use in HFC, RFoG, and deep fiber applications. Contained in a single 1RU to save space, the rRCVR-4 uses four separate PIN diode and receiver circuits, each provide operational bandwidth of 200 MHz. Containing 4 independent ports of receiver circuits in one mainframe, the rRCVR-4 has a standard RF output level of 50 dBmV from each output port. Contact Optilab for more information.

Features

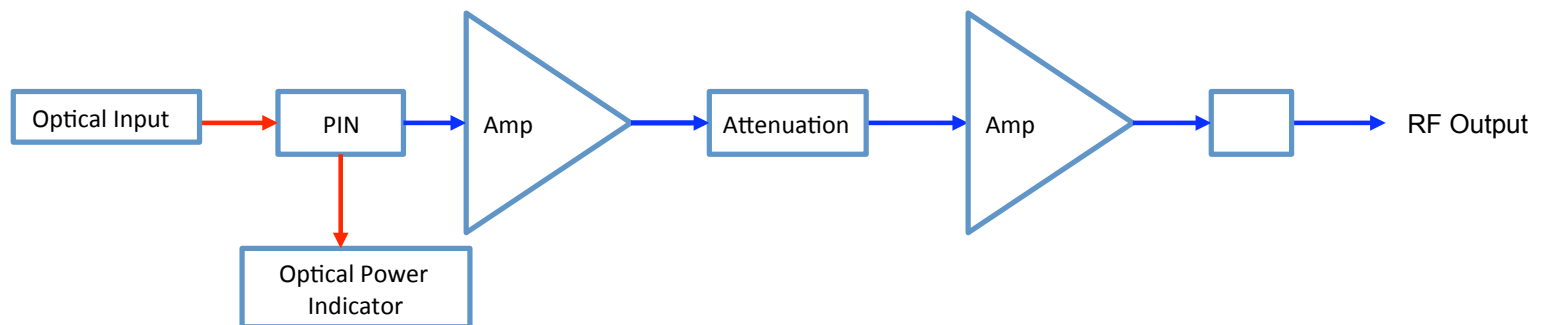
- Reliable PIN diode and linear receiver circuit
- 4 ports of return path receivers in a 1RU
- Automatic Gain Control (AGC)
- LED front panel status indicators
- 5 - 200 MHz receiving bandwidth
- 3 year warranty standard

Applications

- HFC
- PON
- RFoG
- Deep Fiber Applications
- Optilab is RUS/USDA accepted



Functional Diagram



4 Port Return-Path Receiver | rRCVR-4

OPTIONS

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TECHNICAL INFO

For technical info and support:

sales@optilab.com

www.optilab.com

PHONE

Contact Optilab at:

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

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Optical Specifications	
Receiver Wavelength Range	1200 nm to 1610 nm
Input Optical Power Level	0 dBm to -22 dBm
RF Output Power Level	50 dBmV typ. @ -10 dBm
Number of Inputs	4
Number of Outputs	4
Output Attenuation Range	0 dB to 20 dB (manual adjustment)
Optical Return Loss	50 dB min.
Frequency Range	5 MHz to 200 MHz
Flatness in Frequency Range	±0.75 dB
Output Impedance	75 Ω
Output RF Return Loss	16 dB min.
Mechanical Specifications	
Operation Temperature Range	0°C to +50°C
Storage Temperature Range	-10°C to +70°C
Power Supply	80 – 240 V, 43 – 63 Hz AC 40 - 58 VDC (optional)
Power Consumption	40 W max.
Housing Dimensions	1RU 19"(W) x 14"(D) x 1.75"(H)
Control / Monitoring	Housing Temperature
Display	LED Optical Input Indicators
Optical Connectors	SC/APC or Customer Specified