

rRCVR-4



DEVICE

4 Channel Return Path Receiver

OVERVIEW

The Optilab rRCVR-4 series of four channel return path receivers are cost-effective for use in HFC, FTTH, and deep fiber applications. The rRCVR-4 uses four separate PIN diode and receiver circuits, each provide operational bandwidth of 200 MHz. Containing 4 independent channel of receiver circuits in one mainframe, the rRCVR-4 has a standard RF output level of 30 dBmV from each output port.

FEATURES

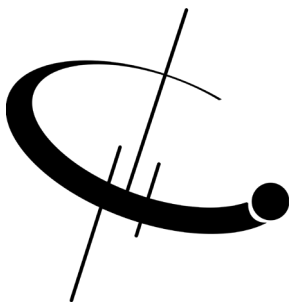
- Reliable PIN diode and linear receiver circuit
- 4 channel of return path receivers in one mainframe
- Compact 1U housing
- Automatic Gain Control (AGC) for optimal adjustment optical input level
- LED front panel status indicators
- 5 – 200 MHz receiving bandwidth

USE IN

- HFC
- Deep Fiber Applications
- FTTH
- RFoG



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SPECIFICATIONS

Receiver Wavelength Range	1200 nm – 1600 nm
Input Optical Power Level	0 dBm to -22 dBm
RF Output Power Level	20 dBmV typ., @ -10 dBm
Typical Input Power Level	-10 dBm
Number of Inputs/Outputs	4
Output Attenuation Range	0 dB to 20 dB (manual adjustment)
Optical Return Loss	50 dB min.
Frequency Range	45 MHz to 870 MHz
Flatness in Frequency Range	± 0.75 dB
Output Impedance	75 Ω
Output RF Return Loss	16 dB min.

GENERAL

Operating 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 V DC (optional)
Power Consumption	40 W max.
Housing Dimensions	1U Rack: 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

MECHANICAL

