

4 Channel Return Path Receiver

The QAMnet rRCVR-4 series of 4 channel return path receivers are cost-effective for use in HFC, FTTH and deep fiber applications.

rRCVR-4 4 Channel Return Path Receiver



Product Description

The QAMnet rRCVR-4 series of 4 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
- Automatic Gain Control (AGC) for optimal adjustment optical input level
- LED front panel status indicators
- 5 - 200 MHz receiving bandwidth
- Compact 1U housing

Applications

✓ HFC ✓ FTTH ✓ RFoG ✓ Deep Fiber Applications

PRODUCT SPECIFICATIONS

Optical 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	4
Number of 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.

Mechanical Specifications

Operating Temperature Range	0°C to +50°C
Storing 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	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

Ordering Information

rRCVR-4