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## RPORXSA-XX

## 1 RU Optical Return Receiver

Our **RPORXSA-XX** is a professional CATV Optical Return Receiver used to receive upstream optical signals from the Optical Distribution Nodes (ODN) located throughout the outside plant. Each Receiver accepts from four to eight optical inputs from the upstream path (Return Path), converts the optical to electrical RF signals for distribution to various equipment in the CATV headend. With ultra low input sensitivity (-22dBm), dual fans, an optional redundant power supplies and a LED display showing optical input levels of each port, this unit is ready for the most demanding CATV headend. **NEW with 1 year warranty and technical support from Thomason Broadband Supply.**

### Part Number Matrix

RPOR [X] SA - [XX] - TBBS

4 = 4 inputs  
8 = 8 inputs

P1 = Single Power Supply AC  
P2 = Dual Power Supply AC  
P3 = Single Power Supply DC  
P4 = Dual Power Supply DC



### Features

- Receives 4 or 8 Optical Returns
- Low Distortion, High Sensitivity
- Stable Operations in Variable Environments
- AC or DC Powering Options
- Redundant Power Supplies Available
- Dual Cooling Fans
- Variable RF Outputs
- 1RU Chassis
- LED Status Display (8 input unit only)



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### Specifications

#### Optical

<b>Operational Wavelength</b>	1200nm to 1620nm
<b>Optical Link Loss Budget</b>	17dB
<b>Optical Input Range</b>	min -17dBm / max 0dBm
<b>Optical Connector</b>	SC/APC
<b>Optical Receivers per unit</b>	4 or 8 (model dependent)

#### RF

<b>Operational bandwidth</b>	5MHz to 200MHz
<b>RF Output level (per receiver)</b>	min 30dBmV / max 60dBmV
<b>RF output Adjustment</b>	30dB
<b>Bandwidth Flatness</b>	+/- .75dB
<b>Bandwidth Return Loss</b>	> -16dB
<b>RF Test Port (each receiver)</b>	-20dB
<b>Power to Noise Ratio</b>	min 37dB for FP with >15dB Link Loss min 41dB for DFB with >15dB link Loss

#### Powering

<b>AC (50/60Hz)</b>	min 90VAC max 265 VAC
<b>DC</b>	min -30VDC max -72VDC
<b>Power Consumption</b>	96W

#### Operation

<b>Operating Temp</b>	min -4C (25F) to max 50 C (122F)
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#### Size

<b>(L) x (W) x (H)</b>	12" (305mm)x 19" (483mm) x 1.75"(44mm)
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