



Multicom Optical Return Path Receiver

Key Features

- » Wide optical Input Range 1200-1620nm
- » High 40-50dBmV adjustable RF output for each of the 4 ports
- » 5-200MHz return bandwidth
- » Four receivers in 1RU unit
- » Wide optical input range and low noise design allows error free detection down to -10dBm
- » Housing temperature is displayed, monitored, and controlled by the micro-processor



Description

The Multicom MUL-HRPR-4 Optical Return Path Receiver is ideally suited for use in optical headends in HFC and FTTH and many other fiber optic-based data, video, and voice networks, including FCC National Broadband projects and applications, and provides a cost effective solution.

The MUL-HRPR-4 state-of-the-art features include an industry-leading 4 port, 40-50dBmV individually adjustable RF outputs, 5-200MHz return bandwidth, wide optical input range down to -10dBm - all in a temperature-controlled, 1 RU rack-mount chassis.

MUL-HRPR-4A

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Multicom

Optical Return Path Receiver

Product Specifications

Description

The Multicom MUL-HRPR-4 Optical Return Path Receiver is ideally suited for use in optical headends in HFC and FTTH and many other fiber optic-based data, video, and voice networks, including Broadband Stimulus and FCC National Broadband projects and applications, and provides a cost effective solution.

The MUL-HRPR-4 state-of-the-art features include an industry-leading 4 port, 30 - 60dBmV individually adjustable RF outputs, 5 - 200MHz return bandwidth, wide optical input range down to -10dBm - all in a temperature-controlled, 1 RU rack-mount chassis.

Technical Specifications

Specifications		Values	Notes
General	Operating temp. (°C)	0 - 50	32 - 122°F
	Storage temp. (°C)	-40 - 85	
	Operating relative humidity (%)	5 - 95	Non-condensing
	Power Supply - 9 Volt AC	110 - 265	
	Power Consumption (W)	48	4 receivers
	Size (inches - WxDxH)	19 x 12 x 1.75	
	Interface port	RS232	
Optical	Wavelength (nm)	1200 - 1620	
	Responsivity (A/W)	0.85	At 1310nm
	Input power level (dBm)	-10 - +1	
	Return loss (dB)	50	
	Output fiber connector	SC/APC	
RF	RF Bandwidth (MHz)	5 - 200	
	RF output level (dBmV)	40 - 50	
	RF gain adjustment range (dB)	-30 - 0	1 dB steps
	Flatness (dB)	-0.75 - +0.75	
	Return loss (dB)	16	75Ω impedance
	RF connector (Main input)	F type	
	NPR (dB)	41	DFB LD with 15dB link loss

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