



Multicom Optical Return Path Receiver

Key Features

- » Wide optical Input Range 1200 - 1620nm
- » +25dBmV typical 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 -9dBm
- » Configuration and status monitoring on the easy-to-view backlit front panel display
- » Housing temperature is displayed, monitored, and controlled by the micro-processor
- » Optional factory installed SNMP



Description

The Multicom MUL-HRPR-4B 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-4B's state-of-the-art features include an industry-leading 4 port, typical +25dBmV individually adjustable RF outputs, 5 - 200MHz return bandwidth, wide optical input range down to -9dBm, and a unique backlit front panel control display - all in a temperature-controlled, 1 RU rack-mount chassis.

MUL-HRPR-4B

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Product Specifications

Description

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The MUL-HRPR-4B's state-of-the-art features include an industry-leading 4 port, 15 - 35dBmV individually adjustable RF outputs, 5 - 200MHz return bandwidth, wide optical input range down to -9dBm, and a unique backlit front panel control display - 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 - 240	
	Power Consumption (W)	24	4 receivers
	Size (inches - WxDxH)	19 x 12 x 1.75	
	Interface port	RJ45, RS232	
Optical	Wavelength (nm)	1200 - 1620	
	Responsivity (A/W)	0.85	At 1310nm
	Input power level (dBm)	-9 - +1	
	Return loss (dB)	50	
	Output fiber connector	SC/APC	
RF	RF Bandwidth (MHz)	5 - 200	
	RF output level (dBmV)	15 - 35	+25 typical
	RF gain adjustment range (dB)	-15 - 0	1 dB steps
	Flatness (dB)	-0.75 - +0.75	
	Return loss (dB)	16	75Ω impedance
	RF connector (Main input)	F type	
	NPR (dB)	24	@-9dBm, 30dB

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