



Headend Return Path Receiver

Key Features

- » Four receivers in 1RU unit with Dual Redundant Power Supplies and SNMP
- » Wide optical Input Range 1100 - 1600nm
- » 45dBmV typical RF output for each of the 4 individually adjustable ports
- » 5 - 200MHz return bandwidth
- » Wide optical input range and low noise design allows error free detection down to -10dBm
- » Configuration and status monitoring on the easy-to-view backlit front panel display



Description

The Multicom MUL-HRPR-V-4 Optical Return Path Receiver is ideally suited for use in optical headends and many other fiber optic-based data, video, and voice networks. With dual redundant power supplies, SNMP, excellent AGC characteristics and a unique Burst Mode, this return path receiver provides a cost effective solution for HFC, RFoG and FTTH networks.

The MUL-HRPR-V-4's state-of-the-art features include an industry-leading 4 port, 45dBmV individually adjustable RF outputs, 5 - 200MHz return bandwidth, wide optical input range down to -10dBm, and a unique backlit front panel control display - all in a temperature-controlled, 1 RU rack-mount chassis.

MUL-HRPR-V-4

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Product Specifications

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Technical Specifications

	Specifications	Values	Notes
Optical	Wavelength (nm)	1100 - 1600	
	Input power level (dBm)	-10 ~ 0	
	Optical AGC Range	-10 ~ 0	
	Return loss (dB)	>45	
	Output fiber connector	SC/APC	
RF	RF Bandwidth (MHz)	5 - 200	
	RF output level (dBmV)	≥45	≥105 dBμV
	RF gain adjustment range (dB)	10	Normal Mode - AGC On
		30	Normal Mode - AGC Off, MGC On
		30	RFoG Burst Mode
	Flatness (dB)	±1	
	Return loss (dB)	≥16	
	RF connector (Main input)	F type	Female to Male
	Output Impedance (Ohms)	75	
	NPR Dynamic Range (dB) (NPR ≥30dB)	≥15	DFB Laser
≥10		FP Laser	
RF Test Port (dB)	-20 ±1		
General	Operating temp. (°C)	-20 - 45	-4 - 113°F
	Storage temp. (°C)	-40 - 65	-40 - 150°F
	Operating relative humidity (%)	95	Non-condensing
	Power Supply - 9 Volt AC	90 - 250	Dual, Redundant
	Power Consumption (W)	20	4 receivers
	Size (mm - LxWxH)	483 x 365 x 44	19 x 14.4 x 1.7 inches
	Interface port	RJ45	SNMP
Burst	Laser On Threshold (dBmV)	≥10	≥70 dBμV
	Laser Off Threshold (dBmV)	≤2	≤62 dBμV
	Laser On Time (t1)	0.5 ≤t1 ≤1	
	Laser Off Time (t2)	0.5 ≤t2 ≤1.5	

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