



# Four-Channel Return Path Optical Receiver Module

## Product Specifications

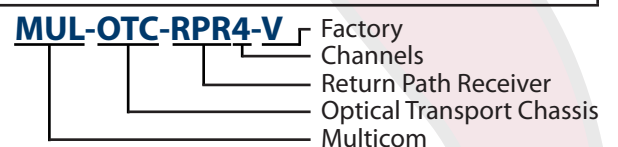
### Description

The Multicom MUL-OTC-RPR4-V Four-channel Return Path Optical Receiver Module is used for receiving return path television video and audio, digital television, and voice and data (or compressed data) signals. It uses E-O optical receiving devices and the signal amplifier incorporates a low noise GaAs module to ensure a high quality signal output.

Each Return Path Optical Receiver Module includes four optical receivers to receive four optical inputs and convert them into CATV RF, and then pre-amplify them independently. The RPR Module communicates with the CMM Display and Control Module (CMM) by A/D sampling, a switching circuit, and a status communication interface circuit.

### Technical Specifications

Item	Unit	Technical Parameters
<b>Optical Parameters</b>		
Receiving optical power range	dBm	-10 ~ +1
Optical AGC range	dBm	-9 ~ +1
Optical return loss	dB	≥45
Optical receiving wavelength range	nm	1100 ~ 1600
Optical connector type		SC/APC
Fiber type		Singlemode
<b>RF Parameters</b>		
Frequency range	MHz	5 ~ 200
Output level	dBmV	38
Flatness in band	dB	≤0.75
Return loss	dB	16
Output impedance		75
Level adjustable range	dB	0 ~ 10
RF test port	dB	-20
Stability of RF output level	dB	<1
NPR dynamic range	dB	15
<b>Link performance</b>		
C/N	dB	51
C/CTB	dB	65
C/CSO	dB	60
<b>General Characteristics</b>		
Consumption	W	<25
Operating Temperature	°C	0 ~ 45 (32 - 113 °F)
Storage Temperature	°C	-20 ~ 65 (-4 - 149 °F)



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