

RPR-2 Return Path Receiver



The Toner RPR-2 is a high performance dual Return Path Fiber optic receiver with a wide RF bandwidth of 5-300 MHz which is ideal for today's various cable modem upstream architecture. The RPR-2 dual return path receiver is two independent return channel receivers that is either a compact standalone dual receiver or a rack mount using the OTLL rackmount panel. With a high performance 1100-1650nm photodiode this receiver will perform with any optical frequency range including WDM and CWDM systems.

The RPR-2 uses a GaAs hybrid for high performance RF output up to 50 dBmV with low distortions and has an AGC that will maintain a steady RF output. The compact size of 4.5" x 3.75" x 1.75" allows it to be either rack mounted (up to 3 pieces) or wall or shelf mounted using the RPR-WMB mounting bracket.



OTLL-RMKIT-1

Features

- 5-300 MHz RF Bandwidth
- 1100-1650 nm optical input
- SC/APC single mode fiber optic connector
- -6 to 0 dB Optical AGC
- 17 dB optical input range
- Single 12VDC power supply for both receivers
- Works with all current DOCSIS architecture
- Compact size 5.2 x 1.57 x 3.9 inches



RPR-WMB

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Specifications

Parameter	Specification
OPTICAL	
Input wavelength	1100 to 1650 nm
Input level	-14 to +3 dBm
Input AGC Range	-6 to 0 dBm
Input connector	SC/APC
Input Return Loss	≥45 dB
AGC Control	On or Off
RF	
Bandwidth	5 to 300 MHz
Flatness	± 1.0 dB
Maximum Output Level	50 dBmV
Attenuation Range	0 to 40 dB
Return Loss	≤ 18 dB (@ 40 MHz)
Test Point	-20 dB
Mechanical	
Power	12 VDC
Load	4.5 Watts
RF Connectors	F Female
Firmware update	USB
Operating Temperature	22 to 120°F (-5 to +50°C)
Dimensions	5.2 x 1.57 x 3.9" (132 x 41 x 100 mm)
Weight	0.9# (408 Grams)
Options	
Triple 1 RU Rackmount	OTLL RMKit-1
Single wall mount	RPR-WMB