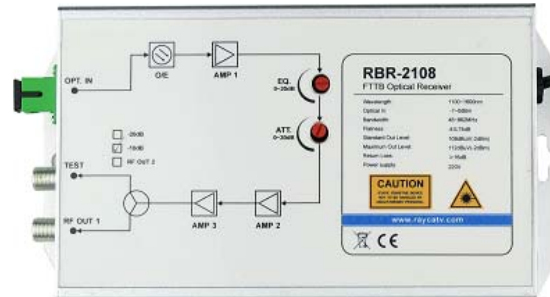


# RBR-2108

## FTTB Indoor Optical Receiver



### Product Description

RBR2108 FTTB indoor optical receiver is specialized in response to FTTH and FTTB network of the group structure introduced specialty products. This product has a compact structure and the internal circuitry is reasonable, its housing is made of special aluminum alloy, special drawing oxidation treatment the surface; Not only excellent performance, but also high-grade and beautiful appearance.

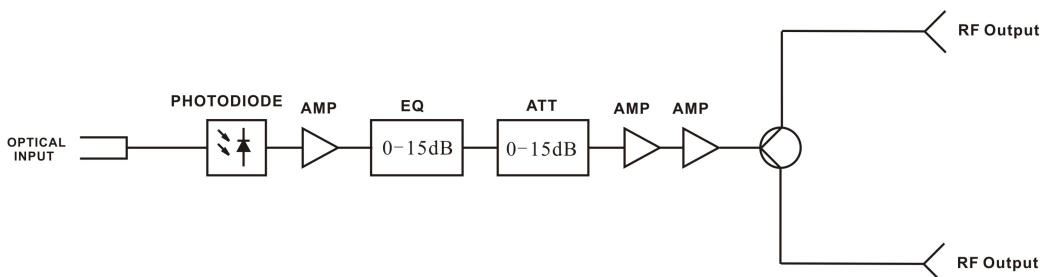
### Application

1. FTTB network
2. FTTH network

### Features

1. Input optical power  $-8\text{dBm} \sim +2\text{dBm}$ .
2. Max output level  $112\text{dBuV}$ .
3. Gain control MGC.
4. Pre-amplifier use GaAs MMIC module.
5. Power supply module build-in.

### Block Diagram



## Datasheet

Parameter	Unit	Index
<b>Optical Parameter</b>		
Operating Wavelength	nm	1100~1600
Input Power Range	dBm	-8~+2
Return Loss	dB	≥45
Fiber Type	/	Single Mode
Connector Type	/	SC/APC Or FC/APC
<b>RF Parameter</b>		
Frequency	MHz	45~862
Flatness	dB	±0.75
RF Impedance	Ω	75
Return Loss	dB	≥16
Adjustable Attenuation Range	dB	0~20
Adjustable Equalization Range	dB	0~20
Max Output Level	dBuV	108
Output port	/	2
<b>Link Parameter</b>		
CNR	dB	>51
CTB	dBc	≤-65
CSO	dBc	≤-60
<b>General Parameter</b>		
Power supply	V DC	12
Power Loss	W	<10W
Working Temp.	°C	-20~50
Storage Temp.	°C	-40~85
Dimension	mm	204*108*54
Weight	kg	1