

# RBR-2114

## AGC FTTB Optical Receiver



### Product Description

RBR-2114 FTTB indoor optical receiver adopts GaAs MMIC amplify module, optimization circuit design, and digital tube display panel. AGC function make the stable output level with  $-9\sim+2\text{dBm}$  input. Coupled with the company 10 years professional design experience makes the equipment achieve high performance index.

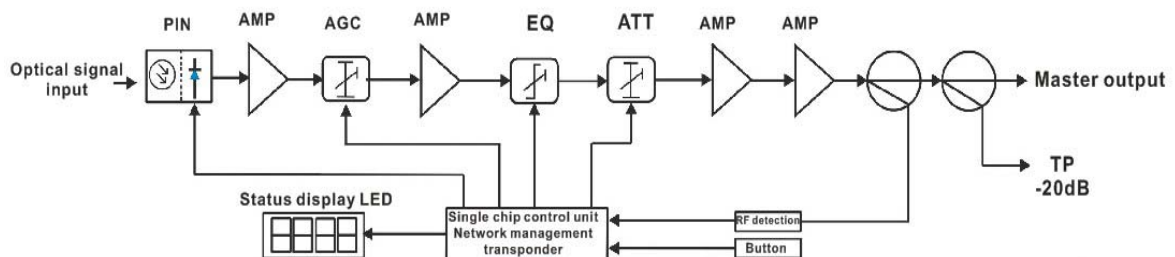
### Application

1. CATV HFC distribution network
2. FTTx network

### Features

1. AGC control range  $-9\sim+2\text{dBm}$ .
2. Downlink work frequency up to 1 GHz.
3. RF amplifier adopts GaAs chip, the highest output level up to 108 dBuV.
4. EQ and ATT use professional electric control circuit, makes the control more accurate, operation more convenient.
5. Network management function optional.
6. Compact structure, convenient installation, is the best choice of FTTB CATV network.
7. Built-in power supply with high reliability and Low power consumption.

### Block Diagram



## Datasheet

Parameter	Unit	Index
<b>Optical Parameter</b>		
Operating Wavelength	nm	1100~1600
Input Power	dBm	-9~+2
Return Loss	dB	>45
Connector Type	/	SC/APC or FC/APC
Fiber Type	/	Single Mode
<b>RF Parameter</b>		
Frequency Range	MHz	45~1000
Flatness in Band	dB	±0.75
Rated Output Level	dBμV	≥108
Max Output Level	dBuV	≥114
Output Return Loss	dB	≥16
Output Impedance	Ω	75
AGC control range	dBm	-9~+2
Electrical control EQ range	dB	0~15
Electrical control ATT range	dB	0~15
<b>Link Parameter</b>		
C/N	dB	≥ 51
C/CTB	dB	≥ 60
C/CSO	dB	≥ 60
<b>General Parameter</b>		
Voltage	V	AC130~265 Or AC35~85
Work Temperature	°C	-40~60
Power Loss	W	<8
Dimension	mm	190×110×52
Weight	kg	1

