

## SR201 Series FTTH Optical Receiver



SR201, SR201F Optical Receiver has high performance, lower receiver optical power and lower cost for CATV operators providing high quality and excellent FTTH network solution. Product schematic diagram as below:

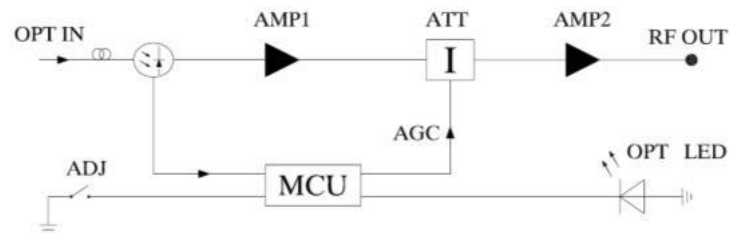
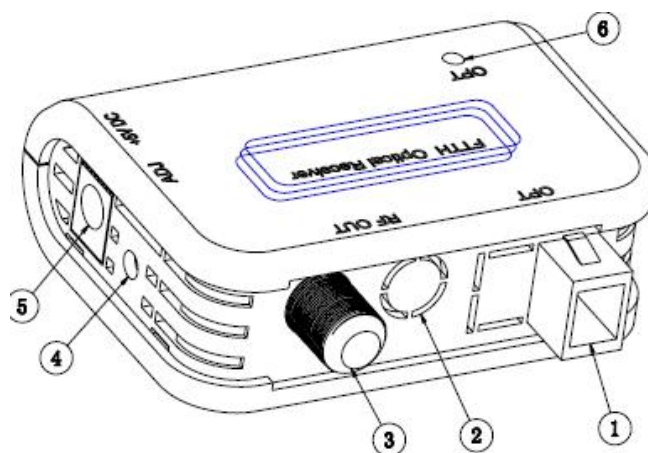


Fig.1 Block Diagram

### 1. Interface



No	Interface	Description
1	The Input Optical Interface	SC/FC/APC Connectors optional
2	RF OUT	RF OUT1 F connector
3		RF OUT2 optional
4	ADJ	AGC Button, press ADJ to get different AGC arrange , The four different AGC range will be change circularly, and the OPT indicator will shine
5	+5VDC	Power adaptor port
6	OPT	LED Indicator, the different color shows different work status, it will shine when press ADJ button, the shine time will show the AGC arrange when you turn on ,see detail as AGC function No3

## 2. Specification

No	Description	Value	Unit	Conditions / Notes
1	Wavelength	1100~1600	nm	SR201
		1550	nm	SR201F, SR201AF
2	Optical Power Input Range	-20~-1	dBm	Recommend -15 to 0
3	Optical Input Return Loss	≥45	dB	
4	Bandwidth	47~1003	MHz	
5	Flatness	±0.75	dB	47~1000MHz, At 25 °C
6	Slope	0~1.0	dB	47~1000MHz, At 25 °C
7	Temperature Stability	±1.0	dB	In the operating tem range (-25 ~ +65 °C)
8	Output Level	78±2	dBuV	-10dBm input optical power, per channel modulation 4.0%, in the 860MHz point test, at 25 °C
9	Impedance	75	Ohm	
10	Return Loss ( 47 ~ 1000MHz )	≥14	dB	At 25 °C
11	MER	≥34	dB	-12~-0dBm input optical power
12	Power	< 0.8	W	
13	Operating Temperature	-25~65	°C	
14	Storage Temperature	-40~70	°C	
15	Storage Humidity	≤95	%	Non- condensation
16	Optical Connector Type	SC/APC		FC/ST Optional
17	Power interface	DC5V/0.5A		External adapter

18	RF Output Connector	F connector		2 out optional
20	Dimension	74×64×27	mm	
21	Weight	0.15	kg	

### 3. AGC Function

Description	Parameter	unit	Noted
AGC arrange	-12~-2	dBm	<b>Save when disconnect power</b>
<b>Indicator</b>			
OPT	Three color light	N/A	<ul style="list-style-type: none"> <li>✓ Optical power &lt;-18dBm, Red indicator;</li> <li>✓ Optical power: -18~0dBm, Green indicator;</li> <li>✓ Optical power &gt;0dBm, Orange indicator;</li> </ul>

### 4. Packing List

- One Optical Receiver
- One Power Supply Adapter
- One User Manual

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