

SR1001 optical receiver is the featured product that we specially designed for FTTH—Fiber to the Home network structure. With small shell, compact and reasonable internal circuit structure and excellent performance indicators. It is the first choice for residential area and home fiber optic network.



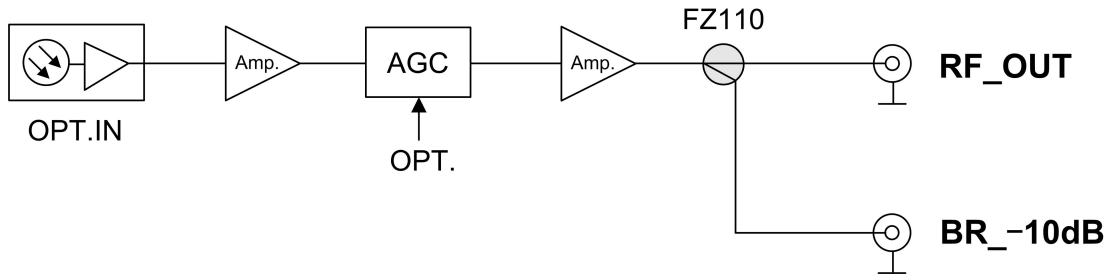
### Performance Characteristics

- Forward RF branch output, 75Ω impedance.
- Adopt GaAs amplifier device.
- 12V DC voltage power supply.
- Small size and easy to install.

### Technique Parameter

Item	Unit	Technical Parameter	
<b>Forward optical receiving part</b>			
<b>Optical Parameters</b>			
Receiving Optical Power	dBm	-7 ~ +2	
Optical Return Loss	dB	> 45	
Optical Receiving Wavelength	nm	1100 ~ 1600	
Optical Connector Type		SC/APC	
Fiber Type		Single Mode	
<b>Link performance</b>			
C/N	dB	≥ 51	-1dBm optical power receive
C/CTB	dB	≥ 65	
C/CSO	dB	≥ 62	
<b>RF Parameters</b>			
Frequency Range	MHz	45~ 862/1003	
Flatness in Band	dB	±0.75	
Rated Output Level	dBμV	≥ 88	
Output Return Loss	dB	≥ 16	
Output Impedance	Ω	75	
Consumption	W	< 3	
Operating Temperature	°C	-20——+55	
Dimension	mm	105*67*24	

**Block diagram**



**Structure**



<b>Input optical power indicate description</b>	
<b>Indicator color</b>	<b>Description</b>
Green	Normal
Orange	Low input optical power
Red	High input optical power