



FTTH Optical Receiver

OP-OR118M



Shenzhen Optostar Optoelectronics Co., Ltd

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1. Summary

OP-OR118M 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.

2. Features

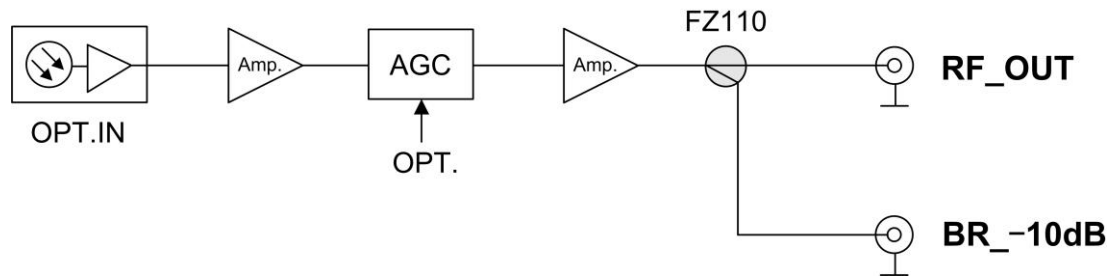
- Forward RF branch output, 75Ω impedance.
- Adopt GaAs amplifier device.
- 12V DC voltage power supply.
- Small size and easy to install.

3. Technique Parameter

Item	Unit	Technical Parameter	
Forward optical receiving part			
Optical Parameters			
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	
Link performance			
C/N	dB	≥ 51	-1dBm optical power receive
C/CTB	dB	≥ 65	
C/CSO	dB	≥ 62	
RF Parameters			
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	

4. Block Diagram

OP-OR118M block diagram



5. Interface



Input optical power indicate description	
Indicator color	Description
Green	Normal
Orange	Low input optical power
Red	High input optical power

Contact OPTOSTAR

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