

# SR2030B-AW FTTH Mini Optical Receiver with WDM

## Description

The node is a mini in-door optical receiver build in WDM, design for FTTP/FTTH transmission applications. It delivers excellent frequency and distortion responses with low noise, high RF output, and low power consumption. It is single mode fiber-pigtailed and is available with various connector options.

- 1 GHz operating bandwidth
- Lower input optical range: +2~-18dBm
- Output level up to 78dBuV (@AGC -10~0dBm power input);
- Low power consumption <1.0W;



## Specification

Item	Description	Value	Unit	Conditions / Notes
<b>Optical Specifications (Forward Path)</b>				
1	Wavelength	1550/1490/1310	nm	Com port
		1490/1310	nm	For ONT
2	Optical Power Input Range	-18~+2	dBm	
3	AGC Range	0~-10	dBm	
4	Optical Input Return Loss	≥45	dB	
<b>RF Specifications (Forward Path)</b>				

4	Bandwidth	47~1003	MHz	
5	Flatness	±1.0	dB	47~1003MHz, At 25 °C
6	Slope	0~2.0	dB	47~1003MHz, At 25 °C
7	Temperature Stability	±1.5	dB	In the operating temperature range (-25 ~ +65 °C)
8	Output Level(1/2/3)	>78	dBuV	AGC input optical power, The analog channel, per channel modulation 3.5%, in the 860MHz point test, at 25°C
9	Impedance	75	Ohm	
10	Return Loss (47~1000MHz)	≥16	dB	At 25 °C
11	MER	≥30	dB	-15~-5dBm input optical power
		≥24	dB	-20~-16, input optical power
12	Power	< 1.0	W	
<b>Environmental Parameters</b>				
13	Operating Temperature	-25~65	°C	
14	Storage Temperature	-40~70	°C	
15	Storage Humidity	≤95	%	Non- condensation
<b>User Interface</b>				
16	Optical Connector Type	SC/APC in, SC/PC out		SC Optional,
17	Power supply	DC5V		
18	RF Output	RG6 Connector		Optional,
19	Optical Indicator	Red orGreen color		Optical power < -10dBm ,red Optical power at AGC ,green Optical power >0dBm red
20	Housing	86*86*24	mm	
21	Weight	0.15	kg	