

SR200AF FTTH Optical Receiver

1. Performance Characteristic

- 1GHz FTTH mini optical receiver.
- Optical AGC range is -15 ~ -5dBm, output level is 78dBuV.
- Support optical filter, comptable with WDM network.
- Ultra low power consumption.
- +5VDC power adapter, compact structure.



2. Technical Parameter

	Item	Unit	Parameter	
Optical	Optical wavelength	nm	1100-1600, the type with optical filter: 1550 ± 10	
	Optical return loss	dB	>45	
	Optical connector type		SC/APC	
	Input optical power	dBm	-18 ~ 0	
	Optical AGC range	dBm	-15 ~ -5	
	Frequency range	MHz	45~1003	
	Flatness in band	dB	± 1	Pin= -13dBm
	Output return loss	dB	≥ 14	
	Output level	dB μ V	≥ 78	OMI=3.5%, AGC range
	MER	dB	>32	96ch 64QAM, Pin= -15dBm, OMI=3.5%
	BER	-	1.0E-9 (post-BER)	
Others	Output impedance	Ω	75	
	Supply voltage	V	+5VDC	
	Power consumption	W	≤ 2	
	Operating temperature	$^{\circ}\text{C}$	-20~+55	
	Storage temperature	$^{\circ}\text{C}$	-20~+60	
	Dimensions	mm	99x80x25	

3. Structure Diagram



1	Input optical power indication: Red: Pin> +2dBm Green: Pin= -15~+2dBm Orange: Pin< -15dBm
2	Power input
3	Optical signal input
4	RF output

Warning: Please use the power adapter prepared by us.

The company will not be responsible for any damage caused by using other power adapter.