

FWR-1000 Passive Filter Optical Receiver



1. Product Description

FWR-1000 is designed as a novel equipment for special requirement of CATV industry. It is catering to object of passive terminal receiving equipment for FTTH and realizing analog or digital TV signal access which is very convenient as just plug and play and also energy-saving. This equipment adopts high sensitive optical receiving tube and exchanges 48dBuv analog level while receiving as -9dBm (40 dBuv digital level). It is superior fitting for FTTH application in place of faraway village, construction site and etc due to the advantages of powerless, no consumption, economic and flexible.

2. Product Feature

- ◆ Only optical electric exchanging parts, average fault-free time is over 150 thousands hours;
- ◆ Output ports have F type metric/inch screw, nut base , F base and RF to choose.
- ◆ Superior low optical power receiving, 1540-1565nm inputting, plug and play;
- ◆ No external power source required, no consumption, safe and energy conservation
- ◆ Can be compatible with any FTtx PON or customized XGS-PON triple play optical network.
- ◆ Plastic enclosure with white top cover and black base, exquisite texture appearance, to demonstrate brand strength.

3. Technical Parameters

	Item	Unit	Performance Parameter
Optical characteristic	input wavelength	(nm)	1310,1490,1550
	operation wavelength	(nm)	1550±10
	channel separation	(dB)	≥40 (1310/1490nm and 1550nm)
	response	(A/W)	≥0.9
	receive power range	(dBm)	0~-12(-1~-6 recommended)
	reflection loss	(dB)	≥45
	fiber linker	/	SC/APC
RF characteristic	Bandwidth/flatness	MHz/dB	47-1000/≤±2
	output level	dBuv	66(0dBm receive) -48(-9 dBm receive)
	RF output interface	/	1 way output
	CNR/MER	dB	≥44/34(0dBm),≥38/29dBm(-6dBm)
	CTB/CSO/HUM	dB	≥70/≥66/≥60(-3dBm/60dBuv)
Other requirement	working/storage temperature	°C	-35~50/-40~75(humidity 5~90%)
	size	mm	78×60×22.5

4. Product Model Series

FWR-1000W Passive WDM Optical Receiver

FWR-1000 Passive Filter Optical Receiver

