

WR-1082-NH FTT Optical Receiver

1. Product Overview

Plastic housing, indoor optical receiver, with optical AGC function and optical power indicator, metal shielding frame for internal RF circuit, power adapter, compact structure, etc.

2. Features

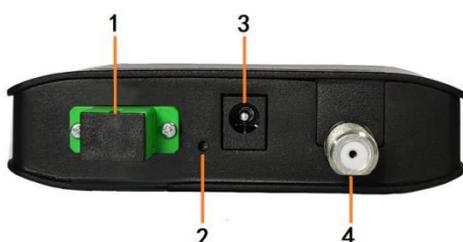
- Frequency range 45MHz ~1G/1.2GHz.
- Input optical power range -18 ~0 dBm.
- Optical AGC range -15 ~ -5 dBm
- Low noise MMIC amplification.
- Power consumption is only more than 2W.
- SC/LC - APC/UPC interface(optional).
- Power adapter optional +5V or +12V.



3. Technical Specification

	Parameter	Unit	Specification	Remark
Optical	Optical receiving wavelength	nm	1100 ~ 1600	
	Optical return loss	dB	>45	
	Optical connector		SC/APC or SC/UPC	
	Fiber type		Single mode (SMF)	
RF	Input optical power	dBm	-18 ~0	
	AGC range	dBm	-15 ~ -5	
	Equivalent noise current		≤5 pA/rt(Hz)	
	Frequency Range	MHz	45 ~1003/1218	
	Flatness	dB	±0.75: 45 ~1003 ±1: 1003 ~1218	Pin: -13dBm
	Return loss	dB	≥14	Pin: -13dBm
	Output level	dBuV	≥80	3.5% OMI /CH, within AGC range
	C/N	dB	≥ 44	-9dBm receiving, 59CH PAL-D, 3.5% OMI /CH
	C/CTB	dB	≥ 58	
	C/CSO	dB	≥ 58	-15dBm receiving, 96CH QAM256, 3.5% OMI /CH
	MER	dB	>32	
BER		<1E-9		
Others	Power supply	V	DC12V/DC5V	220V,50Hz
	Power supply interface		Inside diameter 2.5mm @DC5V	Round plug, Outer diameter 5.5mm
			Inside diameter 2.1mm @DC12V	
	RF interface		Female/Male F port	
	Power consumption	W	<3	
	ESD	KV	2	
	Operating temperature	℃	-10~+55	
	Operating humidity		95% No condensation	
Dimensions	mm	95*60*25 (Does not include flange and F port)		
Optical power indicator		Green : -15~0dBm Orange: <-15dBm Red : >0dBm		

4. Interface Description



	Description
1	Optical input port, with different optical interface
2	Optical power indication
3	Power adapter input
4	RF output

Note: Please use the factory standard power adapter, it will have damaged risk if using non-standard power adapter.