

# Technical Data Sheet

## Passive Optical Receiver with WDM



PRODUCT CODE  
NTPL- OPRWDM

### PASSIVE OPTICAL RECEIVER WITH WDM

A mini in-door optical receiver with WDM that especially design for FTTP/FTTH application and used as subscriber end equipment. High performance, low receiver optical power and lower cost is FTTH solution best selection for MSO. WDM integrated for 1550nm video signal and 1490nm /1310nm data signal in one fiber. Reflection 1490nm/1310nm for connecting ONT device.

#### Main Features:

- Both for Digital signal and analog signal
- Apply to GEAPON network
- With RF Shielding Protection
- Excellent Linearity and Flatness
- Designed for FTTH (Fiber To the Home Network)
- PVC Casing (Attractive customized)
- Lensed protection and high responsively PD for more performance

#### Parameters:

	UNIT	PARAMETER
Optical Parameters:		
Optical input power	dBm	-15~0
Loss	dB	>45
Wavelength	nm	1550
Connector		SC/APC

Link Path Performance :		
C/N	dB	≥51
C/CTB	dB	≥65
C/CSO	dB	≥62
RF parameter;		
Frequency Range	MHz	47~1000
In-band Flatness	dB	1.5
Output level	dB $\mu$ V	40 (test at -15dB) 50 (test at -10dB) 60 (test at -5dB) 64 (test at -3dB) 70 (test at 0dB)
RF output reflection	dB	≥16
RF out resistance	$\Omega$	75
MER	dB	30 (test at -15dB)
	dB	35 (test at -10dB)
	dB	37 (test at -5dB)
	dB	37 (test at -3dB)
	dB	36 (test at 0dB)