

# MININODO XGS PON + WDM



## INTRO & VIEWS

LF-911RW-XGS wave-splitting optical receiver adopts high isolation and WDM technology to separate CATV and XGS-PON ONU signals, which can meet the needs of FTTH fiber to household in CATV & GPON, 10GPON, XGPON, XGSPON, NGPON2, GEAPON, Ethernet PtP & Wavelength multiplexing of CATV RF in FTTH xPON networks receiving 1550nm wavelength in CATV signal. WDM optical receiver chooses high bandwidth, high sensitivity photoelectric cell, and low noise matching circuit, all Shen gallium IC amplifier, with low optical power receiving and RF - AGC technology, light receiving range - 18 ~ + 2 dBm electric AGC:-2 ~ -12dBm, RF constant output 82dBuv, also on the front panel LED lights with optical power monitoring (15dBm) or higher. The split-wave optical receiver is a high-quality power adapter designed for continuous operation for 5 years.

## TECHNICAL PARAMETERS

| Item                        | Unit   | Performance Parameter              |                       |
|-----------------------------|--------|------------------------------------|-----------------------|
| Input wavelength            | (nm)   | 1310/1490,1550,1270/1577           |                       |
| Output wavelength           | (nm)   | 1310/1490,1270/1577                |                       |
| Operation wavelength        | (nm)   | 1540~1560                          |                       |
| Channel separation          | (dB)   | ≥40 ( 1310/1490,1270/1577/1550nm ) |                       |
| Response                    | (A/W)  | ≥0.9                               |                       |
| Receive power range         | (dBm)  | +2~-18                             |                       |
| Reflection loss             | (dB)   | ≥55                                |                       |
| Fiber linker                | /      | SC/APC                             |                       |
| XGS-PON linker              | /      | SC/UPC                             |                       |
| Bandwidth/flatness          | MHz/dB | 47~1000/±1                         |                       |
| Output level                | dBuv   | 1 RF                               | AGC: 82±1/(-2~-12dBm) |
| Reflection loss             | dB     | ≥14 (75Ω characteristic impedance) |                       |
| RF output interface         | /      | Inch (FL-10)                       |                       |
| CNR                         | dB     | ≥44/34(PAL-D 60CH,OMI3.8%,-9dBm)   |                       |
| CTB                         | dB     | ≥65/≥60/≥60(-9dBm receive)         |                       |
| Power supply/consumption    | V/W    | AC90~255V→DC5/2                    |                       |
| Working/storage Temperature | °C     | -35~50/-40~75(humidity 5~90%)      |                       |
| Size                        | mm     | 95×92×23                           |                       |