

Brief Introduction

UV-MN-11 FTTH optical receiver is specifically designed for CATV FTTH network. Its main feature is low power consumption, AGC optical constant level output, small Volume and high reliability. Adopting aluminum alloy shell, with optical control AGC circuit built in, compact structure and external modular power supply make the installation and debugging very convenient. It is an ideal product to build FTTH CATV network.



Key Features

- ü Brushed aluminum shell with good heat dispersion.
- ü Adopts GaAs module as RF amplifying module, the optical receiving range for digital signal can reach -15dBm, and -9dBm for analog signal.
- ü AGC control range 0~-9dBm, output level keeps unchanged.
- ü Low consumption design and total consumption $\leq 4w$, high reliable switching power supply with optical inspection circuit.
- ü SC/APC or FC/APC optical connector
- ü The output level can be adjustable within the range 0 -18dB, output level more then 80dBuV.
- ü Realize the 8 v input port feeding way of power supply

Specification

| Item | Unit | Parameter | Supplement |
|-----------------------|------------------------|----------------|------------------|
| Optical wavelength | nm | 1260~1620 | |
| Optical input range | (dBm) | 0~-9 | Analog TV |
| | | 0~-15 | Digital TV |
| Output return loss | (dB) | ≥ 45 | |
| Bandwidth (MHz) | MHz | 47~862 | |
| Flatness (dB) | dB | ± 0.75 | |
| RF output level | (dBuV) | ≥ 82 | Pin:-7.0~+2.0dBm |
| AGC control range | (dBm) | 0~-9 | |
| AGC character (dB) | dB | $\leq \pm 0.5$ | Pin:-7.0~+2.0dBm |
| ATT. | (dB) | 0-20 | MGC |
| Output return loss | (dB) | ≥ 14 | 47-862MHz |
| Output impedance | (Ω) | 75 | |
| CNR (dB) | dB | ≥ 51 | Pin=-2dBm |
| CTB (dB) | dB | ≥ 65 | Pin=-2dBm |
| CSO (dB) | dB | ≥ 62 | Pin=-2dBm |
| Power supply (V) | V | +8VDC | |
| Power consumption | W | ≤ 3 | +8VDC,250mA |
| Operating temperature | ($^{\circ}\text{C}$) | -20~+60 | |
| Dimension | mm | 105*67*25 | |