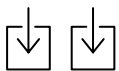


TV+SAT IF optical transmitter

A solution for the distribution DTT and IF satellite signals in extensive group installations.



TV and IF input



IF optical modulation adjustment



Optical output

Technical specifications

| MODEL | | FTD-420 |
|--|-------|---|
| REF. | | 4915 |
| Optical output power | mW | 4 (=6 dBm) |
| RF inputs | | 2 TV (45-862 MHz) IF (950-2150 MHz) |
| Optical section | | |
| Optical wavelength | nm | 1310 (±20) |
| Relative intensity noise (RIN) of the laser | dB/Hz | < -150 |
| Optical output return loss | dB | > 50 |
| Optical output connector | | SC / APC |
| RF section | | |
| TV input level (for OMI 4% CENELEC carriers) | dBµV | 72 ... 87 |
| IF input level (for OMI 1.6%) | dBµV | 72 ... 87 |
| RF flatness | dB | ±0,75 (TV) ,, ±1 (IF) |
| Adjustm. of TV level to laser TV-OMI adjustment | dB | -15 ... 0 |
| Adjustm. of IF level to laser IF-OMI adjustment | dB | -15 ... 0 |
| RF input impedance | Ω | 75 |
| RF input return loss | dB | > 12 (TV) ,, > 10 (IF) |
| General | | |
| Power requirements | | +12 VDC / 650 mA |
| DC connector type | | banana socket |
| Dimensions | mm | 230 x 195 x 32 |

- 1 TV input (45-862 MHz)
- 1 SAT-IF input (950-2150 MHz)
- 1 Optical output (1310 nm)
- Connection of singlemode type optical fibre.
- Solution for distribution of terrestrial TV and satellite IF signals (analog and digital) over large collective installations: residential districts, hotels, hospitals.
- Ultralinear, APC-controlled, 4 mW DFB (Distributed Feedback) laser.
- Fully compatible with PAL, SECAM, NTSC, FM, DVB-S, DVB-T, DVB-C and other standards.
- TV and SAT-IF separate ways with very high RF amplification gain. Independent OMI settings for TV and SAT-IF.
- DC powered by a CFP power supply module.
- Mountable on baseplates or rack-frame of ClassA headend.

Installation example

