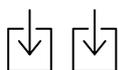


TV+SAT IF optical transmitter

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

MODELO		FTD-420
REF.		4915
Optical output power	mW	4 (=6 dBm)
RF inputs		2 TV (45-862 MHz) ; FI (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%, 42 carriers CENELEC)	dBµV	72 – 87
IF input level (for OMI 1,6%)	dBµV	72 – 87
RF flatness	dB	±0,75 (TV), ±1 (FI)
Adjustm. of IF level to laser TV-OMI adjustment	dB	-15 – 0
Adjustm. of IF level to laser IF-OMI adjustment	dB	-15 – 0
TV-OMI Test adjustment		Yes (indirect reading from RF level measurement)
SAT-IF -OMI Test adjustment		Yes (indirect reading from RF level measurement)
RF input impedance	Ω	75
RF input return loss	dB	> 12 (TV), > 10 (FI)
General		
Conectores entradas TV y FI		F
Conectores puertos test OMI-TV y OMI-FI		F
Alimentación		+12 Vdc/650 mA
Conectores alimentación		hembrilla banana
Dimensiones	mm	230 x 195 x 32

- 1 TV input 45-862 MHz
1 ISAT-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...
- LUltralinear, APC-controlled, 4mW DFB (Distributed Feedback) laser.
- Fully compatible with PAL, SECAM, NTSC, FM, DVB-S,, DVB-T, DVB-c and others 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 Class A headend.

Installation example

