FRACARRO

OPT-TX 1550

Home fibre

Fracarro's innovative Home Fiber solution is designed to provide easy installation from the headend to the wall outlet. **The system uses a conventional LNB and parabolic dish system that require no special tools for optical pointing.** The Home Fiber system is capable of carrying all satellite and digital terrestrial signals through a single 9/125 glass fiber. Any cascaded OPT-TX optical transmitters can be connected using RF looptrought for greater flexibility in system design. Innovative solution to transmit the entire TV band, including radio signals, and an entire orbital position over a single fiber. Optical transmitter suitable for CWDM (Coarse Wavelength Division Multiplexing) technology for distrbution of up to 4 orbital positions on a single fiber. **Wavelength 1550nm**, DFB at 7dBm (dimensions 230x230x50mm)

Technical Chars

- **Traditional Dish Installation**
- **Transmitter equipped with AGC** allowing the use of dishes of different diameters
- Cascade solution typical of MSW systems
- **Up to 21dB optical attenuation**
- Easy and intuitive installation
- Full terrestrial band transmission

OPT-TX 1550		
Code		270669
Input RF		5 (4 SAT + 1 TV)
Optical Output		1 x SC/APC
Input TV		
Connectors		F Female
Input level	dBµV	80 @10 ch.
Frequency band	MHz	87-862
Return loss	dB	10
Through line loss	dB	1
SAT inputs		
Bandwidth	MHz	950-2150
SAT Connectors		F Female
Output level SAT	dBµV	69-86
Return loss	dB	10
SAT Trunk line loss	dB	<2
RF output		
Outputs		7 (4 SAT + 1 TV + 2 TEST)

Optical output

Wavelength	nm	1550
Optical power	dBm	8 (±1)
Optical return loss	dB	>45
Safety class		1M

TEST output

Connectors		F Female
Frequency band	MHz	87-862 / 950-2150
Attenuation connectors	dB	59 each channel
Return loss	dB	10

Specifications

Power supply voltage	Vdc/A	184-264 / 50−60
Current consumption	W	15
LED		Green LED: TX on; Red LED: laser current too high
Operating temperature	°C	-5 to +55
Conformity		CEI EN 50083-2 EN60065

Dimensions and packaging

Pieces		1
EAN code		8016978096503
Packaging dimensions	mm	400 x 300 x 70
Product dimensions	mm	230 x 230 x 50
Packaging weight	kg	2.385