

## OPT-TX DT

Home fibre



Optical transmitter for distribution of up to 4 satellites on a single fiber with CWDM (Coarse Wavelength Division Multiplexing) technology. **Innovative solution to transmit the entire TV band, including radio signals, and an entire orbital position on a single fiber. 7dBm with FP SAT+TV+FM laser, wavelength 1310nm.** (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 DT           |      |                           |
|---------------------|------|---------------------------|
| Code                |      | 270694                    |
| Input RF            |      | 5 (4 SAT + 1 TV)          |
| Optical Output      |      | 1 x SC/APC                |
| Optical input       |      |                           |
| Wavelength          | nm   | 1310                      |
| 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    | 1310  |
| 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                 |       | 8016978091829                                     |
| Packaging dimensions     | mm    | 395 x 300 x 70                                    |
| Product dimensions       | mm    | 230 x 230 x 50                                    |
| Packaging weight         | Kg    | 2.31  |