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# SMATV optical transmitter (without Return Path) 1310 nm, Po 6 dBm

Produces an optical signal in the 1310 nm-window modulated by the input RF SMATV signal (47 MHz- 2400 MHz). The optical output power is 6 dBm.
Perfect for RFoG / RF Overlay solutions.

**Ref.233306**

| | |
|---|---|
| **Art.Nr** | UOS1310N |
| **EAN13** | 8424450169063 |

## Highlights

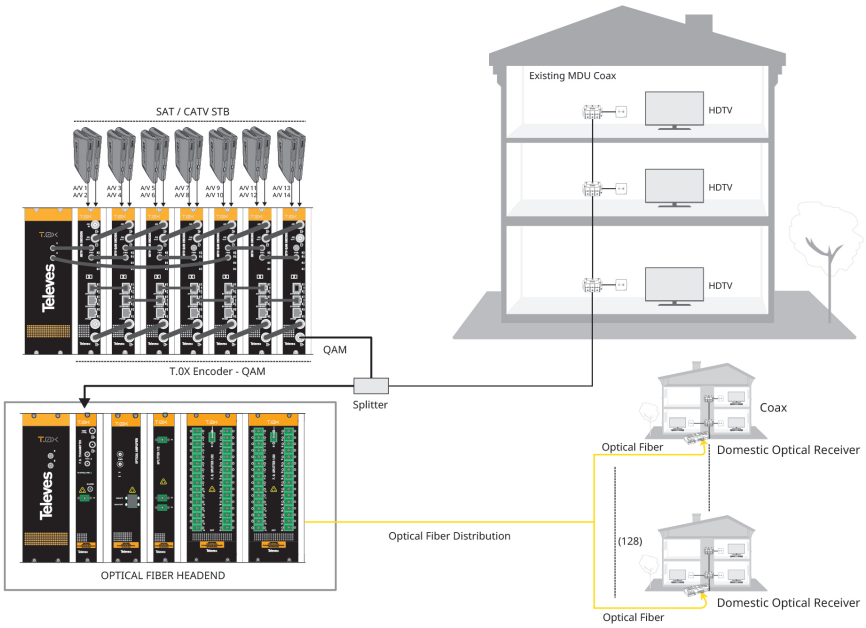
- SMATV-compatible: up to 2400 MHz input bandwidth
- RF input level control: optimization of the optical conversion quality parameters
- Optical power drop alarm

## Main features

- Very low equivalent noise conversion
- Easy to install and use
- High energy efficiency
- SC/APC optical connectors, and F-type connectors for RF

## Application example

(Click to see the picture)



## Technical specifications

| | | | | |
|---|---|---|---|---|
| **RF parameters** | Frequency range | | MHz | 47 - 2400 |
| | Flatness | 47-1200 MHz | dB | ±0.5 |
| | | 950-2400 MHz | | ±2 |
| | Impedance | | Ohm | 75 |
| | Input level | RF | dBµV | 73 - 93 |
| | | SAT | | 63 - 83 |
| | Manual gain adjustment | | dB | 0 ... 14 (2dB steps) |
| | C/N | | dB | >51 |
| | CSO | | dB | >60 |
| | CTB | | dB | >60 |
| **Optical** | Laser | | type | MQW - DFB |
| | Wavelength | | nm | 1310 ± 10 |
| | Output optical power | | dBm | 6 |
| **General** | RF connectors | | type | "F" female |
| | Optical connector | | | SC/APC |
| | Consumption | 12 Vdc | mA | 260 |
| | | 24 Vdc | | 155 |
| | Operating temperature | | °C | -5 ... +45 |