

Televes reserves the right to modify the product

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

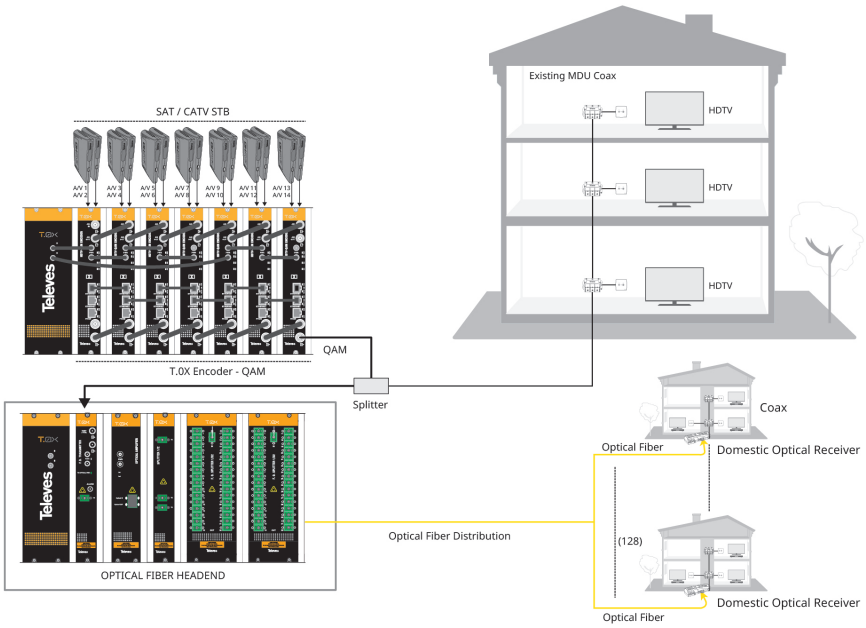
- SMATV-compatible: up to 2400 MHz input bandwidth
- RF input level control: optimization of the optical conversion quality parameters
- Optical power drop alarm

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