



Televes reserves the right to modify the product

## CATV optical transmitter with External Modulation, 1RU rack 19"

1550 nm, Po 6 dBm

Produces an optical signal in the de1550 nm-window modulated by the RF input signal. The optical output power is 6 dBm. Equipped with automatic gain control (AGC). Furthermore, it is stable in terms of temperature, thanks to the laser temperature control circuit. Perfect for RF Overlay applications for distances above 30 km without amplification, thanks to the external modulation technology.

### Ref.769812

Art.Nr	UOS15501U6EXT
EAN13	8424450197721

## Highlights

- DOCSIS 3.1 compatible
- OMI (Optical Modulation Index) test point
- AGC with operation LED indicator
- Wide range of input power values
- DBR laser with SOA and match Zehnder modulator

## 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

## Technical specifications

<b>RF parameters</b>	RF frequency range	MHz	47...1218
	RF input level (AGC: ON)	dB $\mu$ V/dBmV	72...92 / 12...32
	RF manual gain adjust	dB	0 ... 14 (steps 2 dB)
	CAG control	dB	20
	Flatness (47...1218MHz)	dB	$\pm$ 1
	Return losses (47...1218MHz)	dB	$\geq$ 15
	Impedance	Ohm	75
	CSO (CENELEC 42)	dB	$\geq$ 60
	CTB (CENELEC 42)	dB	$\geq$ 60
	C/N	dB	>50
<b>Optical</b>	Laser	type	DBR + SOA + match Zehnder modulator
	Wavelength	nm	1550,12 (ITU 34)
	Optical power	dBm	6
<b>General</b>	RF connectors	type	F female
	Optical connectors		SC/APC
	Supply voltage	VAC	99 - 253
	Frequency	Hz	50/60
	Power consumption	A	0.185
	Operation temperature	$^{\circ}$ C / $^{\circ}$ F	-5.....45 / 32.....113