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## Optical transmitter, 1RU rack 19"

1550 nm, Po 5 dBm

Produces an optical signal in the 1550 nm-window modulated by the input RF SMATV signal (47 MHz- 2400 MHz). The optical output power is 5 dBm.

Perfect for RFoG solutions, and as RF Overlay transmitter on GPON networks.

**Ref.769801**

**Art.Nr**

U19OS154

**EAN13**

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### Highlights

- SMATV-compatible: up to 2400 MHz input bandwidth
- RF input level control: optimization of the optical conversion quality parameters
- Optical power drop alarm
- 19"-rack installation, 1U height

### 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 ... 2400
	RF input level (AGC: ON)	dB $\mu$ V/dBmV	75...90 / 15...30
	SAT input level (AGC: ON)	dB $\mu$ V/dBmV	RF - 10dB
	RF manual gain adjust	dB	0 ... 14 (steps 2 dB)
	CAG control	dB	20
	Flatness (47...1220MHz)	dB	$\pm$ 0,5
	Flatness (950...2400MHz)	dB	$\pm$ 2
	Return losses (47...1220MHz)	dB	$\geq$ 10
	Return losses (950...2400MHz)	dB	$\geq$ 7
	Impedance	Ohm	75
	CSO (CENELEC 42)	dB	$\geq$ 60
	CTB (CENELEC 42)	dB	$\geq$ 60
	C/N	dB	>50
<b>Optical</b>	Laser	type	MQW-DFB
	Wavelength	nm	1550 $\pm$ 10
	Optical power	dBm	5
<b>General</b>	RF connectors	type	F female
	Optical connectors		SC/APC
	Supply voltage	VAC	110 - 230
	Frequency	Hz	50/60
	Power consumption	mA	100
	Operation temperature	$^{\circ}$ C / $^{\circ}$ F	-5.....45 / 32.....113