



SMATV optical transmitter, 1RU rack 19" 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.	769902
Logical ref.	U19OS136
EAN13	8424450197745

Packing

Box	1 pcs.
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Physical data

Net weight	1,870.00 g
Gross weight	1,870.00 g
Main product weight	1,770.00 g

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

RF parameters	RF frequency range	MHz	47 ... 2400
	RF input level (AGC: ON)	dB μ V/dBmV	75...90 / 15...30
	SAT input level (AGC: ON)	dB μ 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
Optical	Laser	type	MQW-DFB
	Wavelength	nm	1310 \pm 10
	Optical power	dBm	6
General	RF connectors	type	F female
	Optical connectors		SC/APC
	Supply voltage	VAC	110 - 230
	Frequency	Hz	50/60
	Power consumption	mA	100
	Operation temperature	°C / °F	-5.....45 / 32.....113