

SMATV optical transmitter with AGC (no return path), 1550 nm, 5 dBm

It generates an optical signal in the 1550 nm band, modulated by the incoming SMATV RF signal (47...2400 MHz), with an optical output power of 5 dBm.

It incorporates automatic gain control (AGC), which maintains a constant optical output level even if the input RF signal varies due to reception fluctuations or channel load. This avoids the need for subsequent manual readjustments and preserves signal quality.

It is ideal for RFoG solutions and also as an RF Overlay transmitter in GPON networks.

Ref.	234305
Logical ref.	UOS15504N
EAN13	8424450167038

Packaging info	
Box	1 pcs.
Bucket	18 pcs.

Physical data	
Net weight	1,100.00 g
Gross volume	5.40 dm³
Gross weight	1,100.00 g
Width	50.00 mm
Height	219.00 mm
Depth	183.00 mm
Main product weight	848.00 g

Highlights

- SMATV-compatible: input bandwidth up to 2400 MHz
- Optical output level self-regulated via AGC
- OMI (Optical Modulation Index) test point

- LED indicators for optical power and AGC
- Input RF level control: optimisation of optical conversion quality parameters
- Wide range of input power levels
- Optical power drop alarm
- Very low equivalent noise conversion
- Easy to install and use
- High energy efficiency

Technical specifications : Ref. 234305

Inputs		TERR	SAT
Frequency range	MHz	47 ... 1200	950 ... 2400
Input level	dBmV	13 ... 33	3 ... 23
Flatness	dB	-0.5 ... 0.5	-2 ... 2
Gain adjustment range	dB	0 ... 14	
C/N	dB	> 51	
CSO	dB	> 60	
CTB	dB	> 60	
Wavelength	nm	1550	
Optical output power	dBm	5	
Transmitter type		MQW-DFB	
Optical connectors		SC/APC	
RF connectors		"F" female	
Impedance	Ω	75	
Powering	Vdc	12 ... 24	
Max. current	mA	270	
Operating temperature	°F	23 ... 113	