



CATV optical transmitter with AGC (without Return Path) 1310 nm, Po 10 dBm

Produces an optical signal in the 1310 nm-window modulated by the input RF CATV signal (47 MHz - 1100 MHz). The optical output power is 10 dBm.

Equipped with automatic gain control (AGC).

Stable in terms of temperature, thanks to the laser temperature control circuit.

Perfect for RFoG / RF Overlay solutions.

Ref.	234801
Logical ref.	UOS131010AGC
EAN13	8424450175996

Packaging info

Box	1 pcs.
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Physical data

Net weight	1,300.00 g
Gross volume	5.40 dm ³
Gross weight	1,300.00 g
Width	50.00 mm
Height	219.00 mm
Depth	180.00 mm
Main product weight	922.00 g

Highlights

- MATV-compatible: up to 1100 MHz bandwidth

- OMI (Optical Modulation Index) test point
- Optical power and laser temperature LED indicators
- MQW-DFB refrigerated laser
- AGC with operation LED indicator
- Wide range of input power values
- Optical power drop alarm
- 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 : Ref. 234801

Inputs		TERR
Frequency range	MHz	47 ... 1250
Input level	dBmV	15 ... 30
Flatness	dB	-1 ... 1
Return losses	dB	> 15
Automatic gain range	dB	15
Gain adjustment range	dB	0 ... 14
C/N	dB	> 52
CSO	dB	> 60
CTB	dB	> 60
Wavelength	nm	1310
Optical output power	dBm	10
Optical return losses	dB	> 50
Transmitter type		MQW-DFB
Optical connectors		SC/APC
RF connectors		"F" female
Impedance	Ω	75
Input voltage	Vdc	12 ... 24
Max. current	mA	400
Operating temperature	°F	23 ... 113