



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

Packing

Box	1 pcs.
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Physical data

Net weight	1,300.00 g
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

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	47-1100
	RF input level	dB μ V/dBmV	75-90 / 15-30
	RF manual gain adjust	dB	0 ... 14 (steps 2 dB)
	CAG control	dB	15
	Flatness	dB	\pm 1
	Return losses	dB	\geq 15 (typ)
	Impedance	Ohm	75
	CSO (CENELEC 42) note 1	dB	60
	CTB (CENELEC 42) note 1	dB	60
	C/N note 1	dB	>52
Optical	Laser	type	MQW-DFB cooled
	Wavelength	nm	1310+/-10
	Optical power	dBm	10
	Optical return losses	dB	50
General	RF connectors	type	F female
	Optical connectors		SC/APC
	Supply voltage	Vdc	12-24
	Power consumption	mA	400-230
	Operation temperature	$^{\circ}$ C / $^{\circ}$ F	-5.....45 / 32.....113