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CATV optical transmitter with AGC (without Return Path) 1550 nm, Po 10 dBm

Produces an optical signal in the 1550 nm-window modulated by the RF input signal (47 MHz - 1100 MHz). The optical output power is 10 dBm.

Equipped with automatic gain control (AGC).

Furthermore, it is stable in terms of temperature, thanks to the laser temperature control circuit.

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

Ref.234811

Art.Nr

UOS155010AGC

EAN13

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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	90 / 30
	RF manual gain adjust	dB	0 ... 14 (steps 2 dB)
	CAG control	dB	15
	Flatness	dB	± 1
	CSO (CENELEC 42) note 1	dB	60
	CTB (CENELEC 42) note 1	dB	60
Optical	Laser	type	MQW-DFB cooled
	Wavelength	nm	1550 $\pm$ 20
	Optical power	dBm	10
General	RF connectors	tipo	F female
	Optical connectors		SC/APC
	Supply voltage	Vdc	12-24
	Power consumption	mA	400-230
	Operation temperature	°C °F	-5 ... +45 23 ... 113