



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
Logical ref.	UOS155010AGC
EAN13	8424450177273

Packaging info

Box	1 pcs.
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Physical data

Net weight	1,300.00 g
Gross volume	5.30 dm ³
Gross weight	1,300.00 g
Width	50.00 mm
Height	219.00 mm
Depth	183.00 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. 234811

Inputs/Bands		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	> 50
CSO	dB	> 60
CTB	dB	> 60
Wavelength	nm	1550.12
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