



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.

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|---------------------|---------------|
| Ref. | 234801 |
| Logical ref. | UOS131010AGC |
| EAN13 | 8424450175996 |

Packaging info

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|------------|--------|
| Box | 1 pcs. |
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Physical data

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| 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 | °C / °F | -5.....45 / 32.....113 |