



## CATV Receiver

The LiComm OAR-2600 series is designed to provide very wide bandwidth of 48 ~ 2600 MHz and high RF output power. The series supports 135 analog CATV channels or combination of analog and digital, such as HDTV channels, in addition to satellite broadcasting channels.

The receiver is a single-mode fiber pigtailed module featuring a low-noise, impedance-matched broadband photodiode and RF amplification. The OAR exhibits excellent distortion performance with values well above standards over the entire bandwidth and temperature specification. The OAR monitors LOS (Loss of signal) alarm status.

### Features:

- 1290nm ~ 1610nm wavelength
- Wide Optical Input Window(0dBm to -8dBm) @ 1310/1550nm
- Excellent distortion characteristics for high linearity
- High RF output power +40dBmV(@0dBm optical input)
- Low noise and low power consumption
- Compact, Very Cost Effective
- Internal proprietary impedance matching circuitry (75Ω)
- LOS alarm output applications

### Applications:

- CATV and Satellite broadcasting system
- Video overlay in passive optical networks (PON)
- Receiver module for optical CATV network in HFC and FTTH nodes

## Optical Repeater

The AORM is a linear, low noise, high performance, broadband optical transceiver designed for fiber optic wireless systems and RF applications. The operating frequency range is from 50 MHz to 2300 MHz over single mode fiber. An internal WDM (CWDM optional) coupler permits bidirectional transmission over a single fiber.

### Features:

- 50MHz ~ 2700MHz bandwidth
- DFB low noise laser with isolator
- High dynamic range
- digital serial I2C or RS232 interface
- WDM option for bidirectional transmission
- Monitoring and alarm capability
- +12V Single power supply

### Applications:

- Optical repeater for 2G, 3G CDMA
- Mobile WiMax
- FM, TRS

