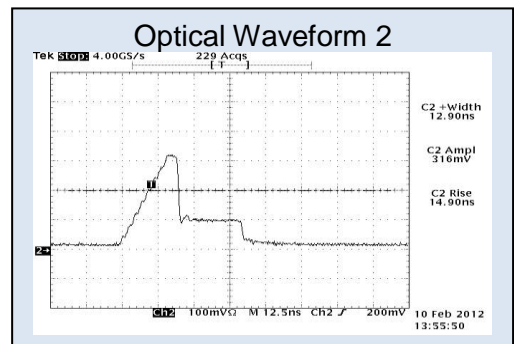
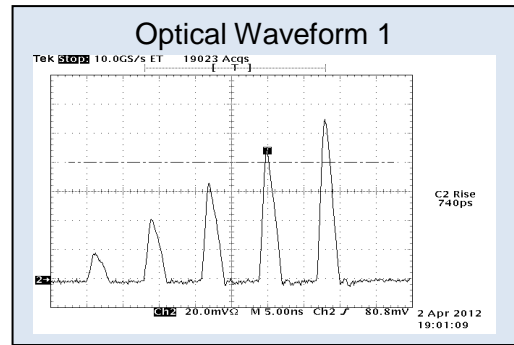


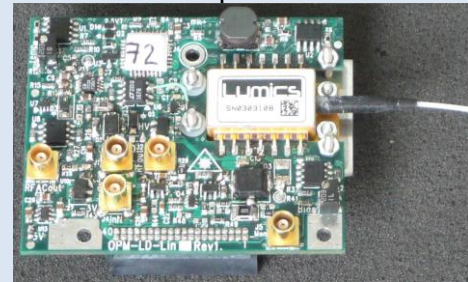
Optical Linear Transmitter Assembly

Features

- Optical linear transmitter that includes:
 - Linear broad-band current driver
 - Integrated laser diode
 - Efficient TEC controller
 - Various feedback modes
 - Comprehensive monitoring
- Uses OPM's AnyPulse™ technology
- RF input: differential (100 ohm) or SE (50 ohm)
- Supports arbitrary waveforms or pulse signals
- Modulation bandwidth of up to 2GHz
- Peak optical power up to 1W
- DC or AC coupled path
- DC bias control and modulation options
- Wide selection of laser diodes including: 1550nm, 1064nm or per request.
- Temperature control for fine wavelength tuning
- Fiber output (FC/PC or FC/APC)
- Packaged as an OEM module or a lab unit
- Test jig is available for quick module evaluation



Product photo- OEM



Product Photo – Bench-top

Dimensions (cm): 30 x 25 x 10



Description

The OPM-LD-lin series was designed for systems and lab setups where optical linear transmitter is required. The OPM-LD-lin offers a combination of wide bandwidth, excellent linearity and high peak power capability. It operates in frequencies of DC up to 2GHz (depending on the selected version). The OPM-LD-lin coupled with an arbitrary waveform generator (AWG) forms an optical AWG. A wide selection of laser diodes is offered for the OPM-LD-lin. This includes wavelengths in the visible and the IR, including 1064nm and 1550nm.

The optical output is provided either through a connector or free-space, using a fiber to free-space adaptor.

For applications that require better wavelength stability the laser's temperature is controlled. This also allows the user to tune the wavelength precisely.

The RF input of the OEM version can be used either in a 100 ohm differential form or a single ended 50 ohm. In the bench-top lab version a single 50 ohm input is provided. The lab version also includes useful features like laser temperature (wavelength) control, an interlock input, on/off key, DC level control, modulation option and indicators on the front panel.

Product applications

- Seed Laser for Fiber Lasers
- Optical arbitrary waveform or pulse generator in broad bandwidth systems
- Special telecom applications