

Chromacity 1280

Femtosecond pulses at 1280 nm



The **Chromacity 1280** generates femtosecond pulses in the region of 1280 nm from a fiber delivered output.

01 Applications

- Two-photon laser-assisted device alteration (2p LADA) in silicon integrated-circuits
- Material characterisation
- Fundamental research
- Interrogating photonics integrated-circuits

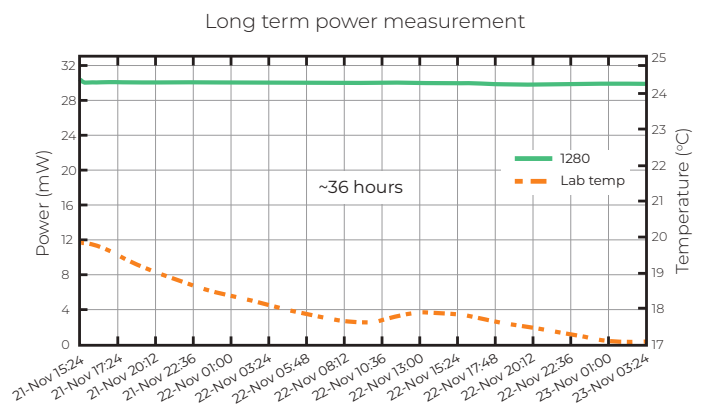
02 Technical Overview

- Up to 30 mW from fiber coupled output
- Pulse duration: 80 fs
- Spectral bandwidth: 80 nm
- Rep-rate locked to 100 MHz

03 Features & Benefits

- Fiber output
- Compact laser housing (air-cooled operation)
- Intuitive web browser interface
- Remote installation capability

04 Stable Performance



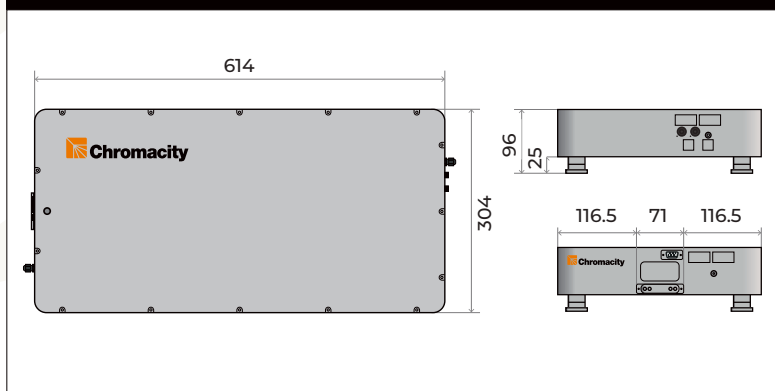
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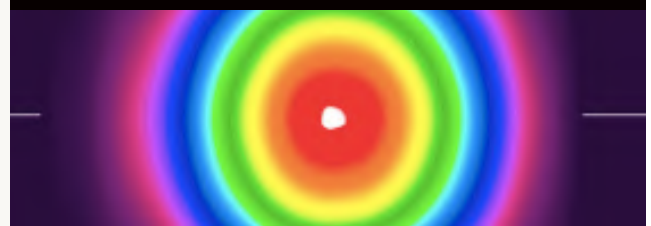
Specifications

Average Output Power	30 mW (at output of polarisation maintaining delivery fiber)
Wavelength	1280 nm
Pulse Duration	80 fs
Bandwidth	80 nm
Pulse Energy	300 pJ
Peak Power	4 kW
Repetition Frequency	100 MHz
Control Interface	Web browser interface. Ethernet & serial port (RS232) also available
Electrical	Voltage 110 – 240 V AC, Frequency 50 – 60 Hz, Power 80 W
Dimensions	614 x 304 x 96 mm

System Dimensions (mm)

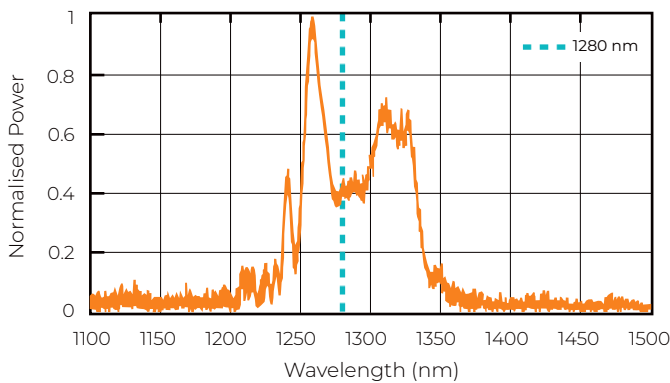


Beam Profile

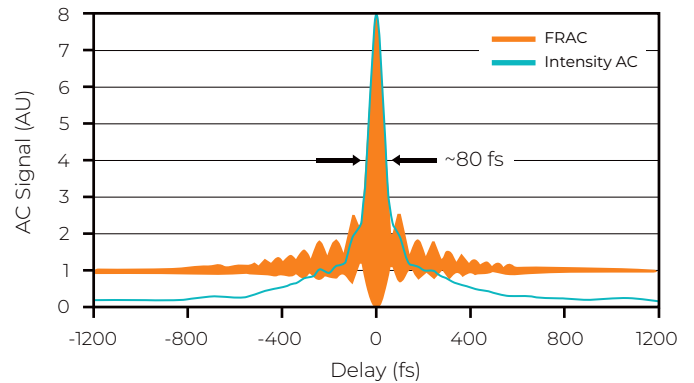


Beam shape measured at a distance of 500 mm from fiber and collimated using an aspheric lens with focal length 8 mm. Fiber has MFD of 12.6 μm .

1280 Main Fiber Output



1280 Autocorrelation Trace



Chromacity follows a policy of continuous improvement, hence specifications are subject to change without notice.

Learn how our ultrafast lasers can enable you to discover more.
For more information, email: sales@chromacitylasers.com

