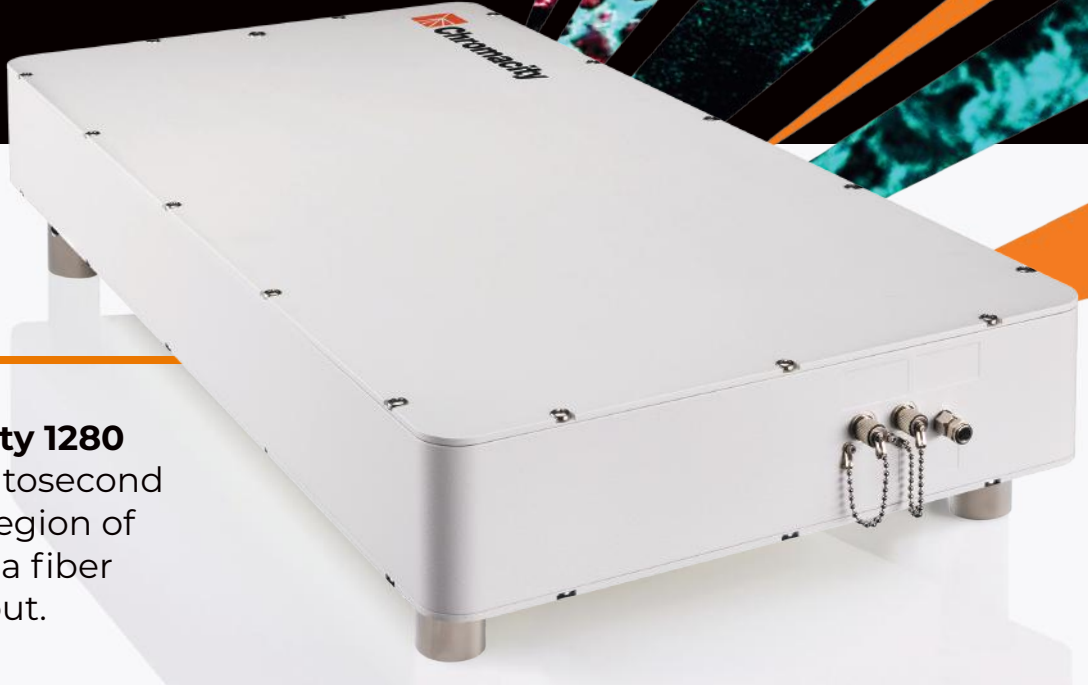


Chromacity 1280

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

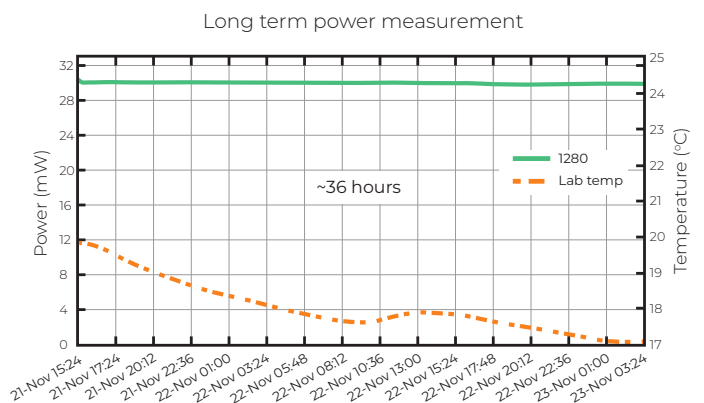
02 Technical Overview

- 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

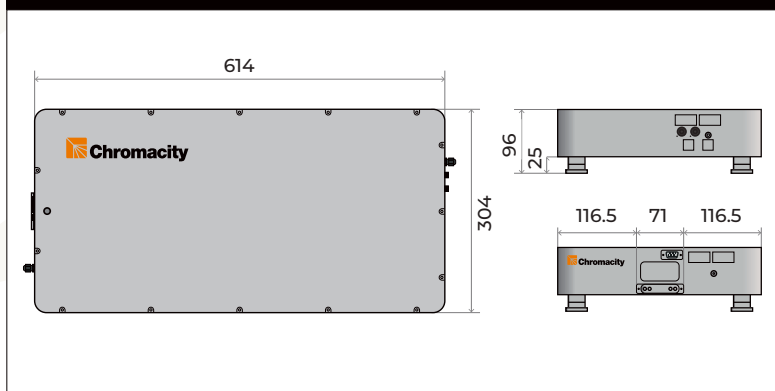




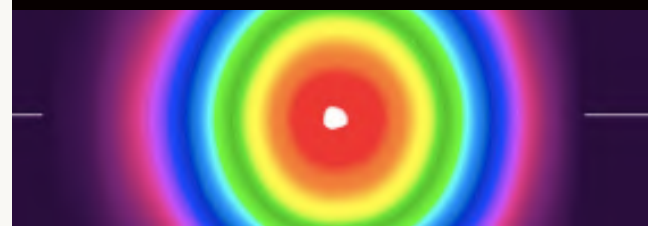
Specifications

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)

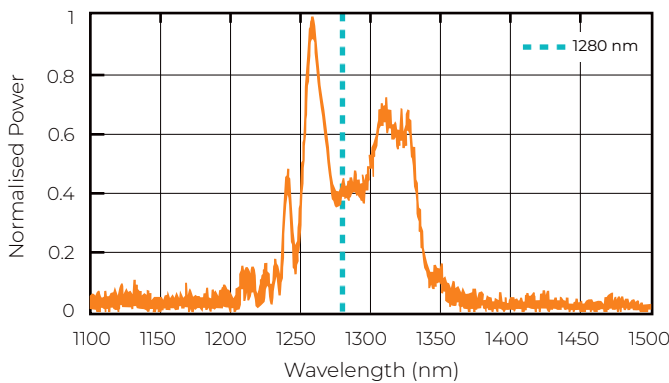


Beam Profile

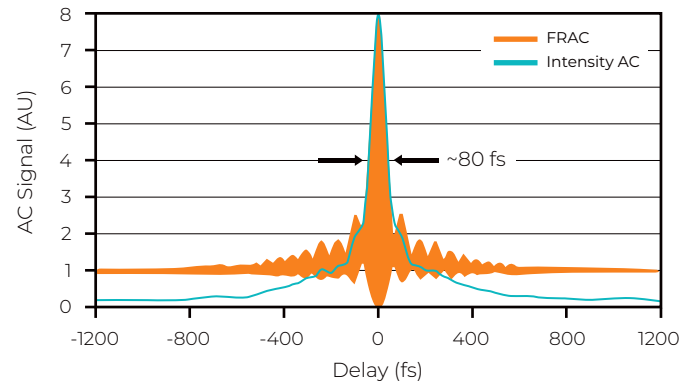


Beam shape measured at a distance of 500 mm from fiber and collimated using an aspheric lens with focal length 8 mm. Fiber has MFD of 12.6 μm .

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

