



Ultra compact plug'n'play GHz femtosecond laser source

Delivering high peak power femtosecond pulses at gigahertz repetition-rate in a palm-sized package. Designed for reliable operation, easy to use, ideal for integration inside other systems.

Typical use

- Seed for Amplifier (Materials Processing)
- Light source for NL Microscope (Biomedical)
- Low-noise RF source for Electronics (Telecom)
- Frequency comb for Instruments (Metrology)

Key features

- 24/7 operation & passive cooling
- Plug'n'play setup
- Ideal SWaP for system integration
- Custom OEM versions upon request

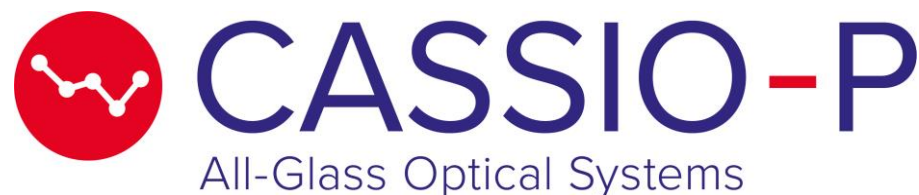


Specifications

Average Power	up to 465 mW
Average Power Drift	~ 2 % std RMS (168 hours)
Peak Power	up to 2.7 kW
Repetition Rate	0.92 to 1.09 GHz option
Pulse Energy	up to 0.5 nJ
Center Wavelength	1030 to 1050 nm option
Spectral Bandwidth	up to 8 nm
Pulse Duration	down to 140 fs
Beam Output	free-space or fiber-coupled option
Beam Quality	TEM00 $M^2 < 1.05$
Beam Circularity	> 75 %
Beam Astigmatism	< 6 %
Beam Polarization	vertical ~ 24 dB PER
Dimensions (W x L x H) / Weight	Front-end module 10 x 20 x 6 cm ³ / 1 kg
	Control module 10 x 20 x 6 cm ³ / 1 kg

Power Supply / Consumption	wall plug or USB-C option / < 10 W
Warm-up time	few seconds (cold start)
Cooling	passive
Analog Interface	pinout on control module
Digital Interface	micro-USB or USB-C option

- Product appearance and specifications are subject to change without notice



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