Glucoloop Baobab

Nanosecond high-energy mid-infrared laser

- Matched to vibrational stretch of water
- Pulse duration optimized for tissue modification with minimal collateral damage
- High pulse energy and peak power
- Compact
- All-in-one
- Turn-key 24/7 operation
- Easy to integrate

Specifications

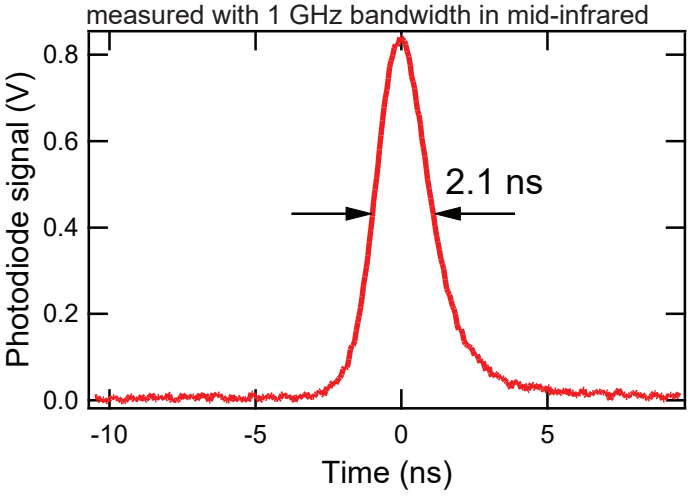
Optical

Center wavelength	2720 ± 10 nm
Pulse duration[a]	< 3 ns
Pulse energy	> 1.3 mJ
Pulse repetition rate[b]	< 1.5 kHz
Peak power	> 500 kW
Average power	> 2 W
Beam quality, M^2	< 7
Polarization	unpolarized

Fast amplitude control and gating

a) longer pulses available
b) triggerable externally or from internal clock

Typical pulse shape
measured with 1 GHz bandwidth in mid-infrared



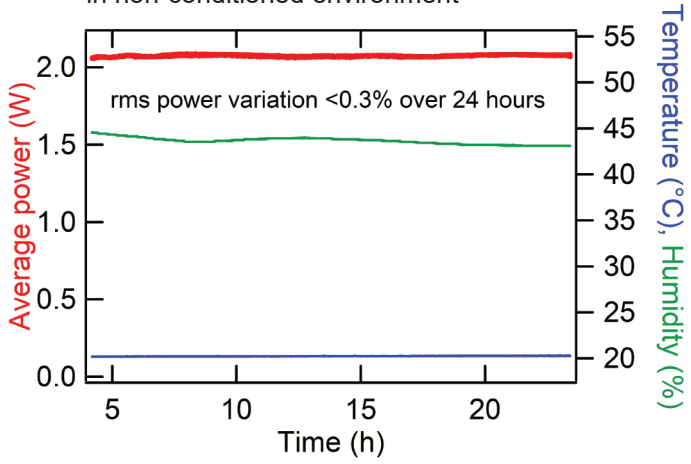
Cooling

Forced air-cooling	
Warm-up time	< 15 min
Operation temperature	15 – 35 °C
Storage temperature	-20 – 55 °C

Electrical

24 VDC / 12 A or 90 – 264 VAC, 47 – 63 Hz

Stability over 24 hours
in non-conditioned environment



Mechanical

Dimensions	420 x 264 x 89 mm^3
Weight	17 kg

3-point low-stress through-hole mounting accessible from top

Options

Fiber delivery
Internal isolation stage
Internal / external purging system

Applications Medical / Dental / Aesthetics / Environmental sensing / Mass spectroscopy

Glucoloop AG
+41 31 503 58 98
www.glucoloop.com
info@glucoloop.com
Zürich
Switzerland

Get your PDF