Olucoloop Baobab T

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 2820 ± 30 nm Pulse duration^a < 2.5ns Pulse energy $> 600 \mu J$ Pulse repetition rateb < 1.5 kHz > 250 kW Peak power > 900 mW Average power Beam quality, M² < 5 Polarization random

a) longer pulses availableb) externally triggerable

Cooling

Water-cooling

Warm-up time < 10 minOperation temperature $15 - 35 \,^{\circ}\text{C}$ Storage temperature $-20 - 55 \,^{\circ}\text{C}$

Electrical

24 VDC / 15 A or 90 - 264 VAC, 47 - 63 Hz

Mechanical

Dimensions 400 x 350 x 71 mm³

Weight 12 kg

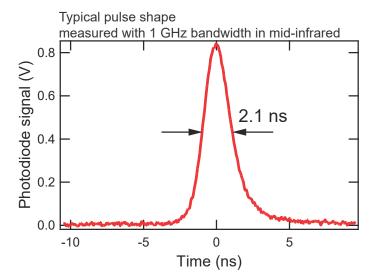
3-point low-stress through-hole mounting accessible from top

Applications

Medical Dental Aesthetics

Environmental sensing

Scientific



Stability over 40 hours

